

Thanos Salifoglou

Curriculum Vitae and List of Publications



**Aristotle University of Thessaloniki
Department of Chemical Engineering
THESSALONIKI**

THANOS S. SALIFOGLOU

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Thessaloniki 54352
Greece
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Department of Chemical Engineering
Aristotle University of Thessaloniki
Thessaloniki 54124
Greece
Telephone: +30-2310-996-179
+30-2310-996-196
Fax: +30-2310-996-196
E-mail: salif@auth.gr

EDUCATION	Ph.D., Bioinorganic Chemistry The University of Michigan Ann Arbor, Michigan, USA	12/1987
	B.Sc. in Chemistry, with honors Aristotle University of Thessaloniki Thessaloniki, Greece	7/1982
ACADEMIC RECORD RESEARCH INTERESTS	Professor Aristotle University of Thessaloniki Thessaloniki, Greece Head of the Laboratory of Inorganic Chemistry and Chemistry of Advanced Materials	2008-present
	Head of the Chemistry Division Department of Chemical Engineering Aristotle University of Thessaloniki	2013-2015
	Director of the Graduate Program “Processes and Technology in Advanced Materials” Faculty of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece	2008-2010

Current Research Interests

- Inorganic-organic hybrid surface-modified (dendrimers, liposomes and silica) and magnetic nanoparticles capable of transport, selective and specific delivery of molecular probes to neuro-loci in the brain for imaging. Bioinorganic vanadium, titanium, chromium, and zinc compounds with physiological and biomimetic substrates, as potential pharmaceuticals of anticarcinogenic, neuroprotective, adipogenetic and insulin mimetic activity. Signal transduction and genetic biomarkers. Synthetic, spectroscopic, magnetic, structural and biological studies of vanadium and zinc species bearing physiological and biomimetic hydroxycarboxylic acids. Controlled release of synthetic or naturally encountered molecules from (macro)molecular cages relevant to metallodrug absorption and bio-

activity processes. (Multi)functional materials with applications (sensors) in Biomedical Engineering diagnostic medicine and (nano)technology.

- Design and development of technological approaches linked to metal-catalyzed oxidative damage of biological tissues. Oxidative stress in neurodegeneration. Development of selective chemosensors of essential and non-essential metal ions in relation to clinically pathological conditions in neurodegenerative diseases. Diagnostic molecular biomarkers in Mild Cognitive Impairment and Alzheimer's dementia.
- Carcinogenic metal ions in the transcriptional activation of signal transducing H_α-Ras genes through DNA minisatellites in the human genome. Interactions of heavy metal and biotoxic metal ions with DNA minisatellites and consequences in the metallobiological pathways leading to carcinogenesis. Development of biomarker technologies correlating biotoxic metal ion-DNA minisatellite interactions with diagnosis (or even prognosis) of aberrant processes in signal transduction pathways.
- Biotoxic metal ions in the pathogenesis of neurodegenerative diseases (Alzheimer, etc.) and neoplasias (carcinogenesis). Linkage of soluble inorganic complex species (environmental metallotoxins) with processes involving interactions of biotoxic metal ions with defined cellular targets, structural speciation, bioavailability and etiopathogenetic biochemical reactivity. Development of (nano)molecular sensors and diagnostic tools for the immediate detection of early neurodegenerative events. Correlation of toxicity-neurodegeneration at the molecular level.
- Development of metallofluorimetric chemosensor technology for the selective detection and quantitative determination of metallotoxins and metallotoxin pollutants in environmental and biological fluids through the use of HPLC-PCD chromatography. Monitoring applications in environmental protection and metal ionic homeostasis at the cellular level.
- Surface-modified nanoparticles (dendrimers, liposomes and silica) in the selective separation and recovery of toxic and heavy metal ions from water resources in the environment. Fundamental structure-function correlations in nanoparticle physicochemical nature and reactivity supporting the development of technology management of metallotoxins in the environment.
- Synthesis of inorganic and inorganic-organic hybrid materials at low temperatures with specific chemical catalytic, physical structural and magnetic properties. Emphasis is given to the synthesis of single molecule magnets and chains as advanced materials at the nanotechnological level
- Natural antioxidants and pro-oxidant metal ionic materials in human nutrition. Mechanisms of pro-oxidant metals and antioxidant behavior of natural products through the use of experimental models in human physiology
- Design, synthesis, spectroscopic and structural characterization of biomimetic inorganic complexes as minimal representations of the active site metalloclusters in metalloenzymes. Development of catalytic processes involving small molecule activation through the employment of low molecular mass metal-ionic materials

Associate Professor Aristotle University of Thessaloniki Thessaloniki, Greece	2004-2007
Associate Professor University of Crete , Heraklion, Greece.	2002-2003
Assistant Professor University of Crete , Heraklion, Greece.	1996 - 2001
Research Scientist Massachusetts Institute of Technology , Cambridge, Massachusetts, USA Comparative investigation of the effects of inorganic nutrients in the growth of the wild type methanotrophic bacteria <i>Methylococcus capsulatus</i> and <i>Methylosinus trichosporium</i> . Development of large scale growth of the wild type isotopically enriched (⁵⁷ Fe, ⁵⁴ Fe) methanotrophic bacterium <i>Methylococcus capsulatus</i> . Investigation of biological activity, chemical and structural properties of substitutionally derivatized hydroxylase enzyme in <i>Methylococcus capsulatus</i> . Cloning and expression of methanotrophic bacterial genes in <i>E. coli</i> .	1993 - 1995
Special Scientific Staff New England Medical Center/Tufts University , Boston, Massachusetts, USA. Investigation of the functional capabilities of H _α -RAS gene minisatellites in human cell extracts. Instability of telomeric gene minisatellites and interactions with transcription factors in carcinogenesis. Phylogeny and functional implications of recombinatorial chi (χ) sequence signals in genes across the evolutionary spectrum of species.	1993
Postdoctoral Associate Massachusetts Institute of Technology , Cambridge, Massachusetts, USA Development of high yield, high activity biochemical techniques for isolation and purification of the metalloenzyme enzyme methane monooxygenase (MMO). Development of protocols for large scale fermentations of the methanotrophic bacteria <i>Methylococcus capsulatus</i> and <i>Methylosinus trichosporium</i> . Cloning, DNA sequencing and expression of the alpha subunit of the MMO hydroxylase protein in <i>E. coli</i> . Design and development of large scale growth for recombinant <i>E. coli</i> organisms.	1990 - 1992

NATO Postdoctoral Research Associate 1988 - 1990
Massachusetts Institute of Technology, Cambridge,
 Massachusetts, USA

New methods of high yield extraction, purification and spectroscopic/structural characterization of the cofactor of the molybdenum nitrogenase enzyme. Development of growth medium and protocols for high yield pilot plant fermentations of the nitrogen fixing bacterium *Azotobacter vinelandii*. Isolation, purification and characterization of the metalloenzyme nitrogenase and its protein components.

Research Assistant 1983 - 1987
The University of Michigan, Ann Arbor,
 Michigan, USA

Design of stoichiometric and structural models of metal containing active sites of proteins and enzymes involved in biological electron transfer and catalysis. Synthesis, reactivity investigation, spectroscopic and X-ray structural characterization of inorganic heterometallic clusters as potential models for the active sites of metalloenzymes.

Research Trainee Summer 1981
Max-Planck Institute for Radiation Chemistry,
 Mülheim an der Ruhr, Germany

Mechanistic studies and reactivity exploration of organic compounds using γ -irradiation techniques.

TECHNICAL SKILLS

Design, synthesis and physicochemical characterization techniques (UV/Visible, Fluorescence, FTIR, NMR of paramagnetic materials, heteronuclear NMR (solid state-solution) ESI-MS, UPLC-ESI-MS, GC, GC-MS, MALDI-MS, HPLC, HPLC-PCD, Electrochemistry, TGA, DSC) of inorganic and organometallic materials (employment of anaerobic techniques). Single crystal X-ray crystallographic techniques. Operation and maintenance of X-ray powder and single crystal X-ray diffractometers. Biophysical techniques (Mössbauer, EPR, EXAFS) as probes of active site metal centers in metalloenzymes. Biochemical techniques, biological assays, etc. for aerobic and anaerobic protein isolation, purification and characterization. PCR, DNA sequencing, cloning and expression of recombinant proteins, immunohistochemistry. Development of medium and protocols for microbial cell growth (aerobic and anaerobic bacteria). Large scale fermentations of recombinant *E. coli*. Operation and maintenance of fermentation facility. Purification of recombinant *E. coli* proteins.

TEACHING EXPERIENCE

Professor 2016 - 2017
Undergraduate Course Title: "Inorganic Chemistry"

Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Biotechnology”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Industrial Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Ceramics”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
 “Methods and Study of Characterization of Materials”
Graduate Course Title: “Research Methodology”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Graduate Course Title: “Contemporary Methods of Synthesis and Analysis of Bioactive Compounds and Applications”
 Graduate Program
 Department of Chemical Engineering, Faculty of Engineering
Graduate Course Title: “Biomaterials”
 Graduate Program
 Department of Chemical Engineering, Faculty of Engineering and “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor

2015 - 2016

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Biomaterials”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering

Undergraduate Course Title: “Environmental Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
 “Methods and Study of Characterization of Materials”
Graduate Course Title: “Research Methodology”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Graduate Course Title: “Contemporary Methods of Synthesis and Analysis of Bioactive Compounds and Applications”
 Graduate Program
 Department of Chemical Engineering, Faculty of Engineering
Graduate Course Title: “Biochemistry”
 Graduate Program
 Department of Chemical Engineering, Faculty of Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor	2014 - 2015
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Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Biomaterials”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
 “Methods and Study of Characterization of Materials”
Graduate Course Title: “Advanced Biomaterials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering

Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Professor

2013 - 2014

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Gene Metallobiology and Engineering”

Department of Chemical Engineering

Undergraduate Course Title: “Environmental Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”

Hellenic Open University, Patras, Greece

Undergraduate Course Title: Antioxidant power in Food Engineering

Faculty of Food Processing Technology

Banat’s University of Agricultural Sciences and Veterinary Medicine

“King Michael I of Romania” from Timisoara, Romania

Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Professor

2012 – 2013

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Environmental Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Gene Metallobiology and Engineering”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”

Hellenic Open University, Patras, Greece

Graduate Course Title:

“Methods and Study of Characterization of Materials”

Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2011 - 2012

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Methods and Study of Characterization of Materials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Graduate Course Title:
 “Biomaterials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Continuing Education Course for Medical Professionals
 “Diagnostics in Alzheimer’s Dementia”
Panhellenic Institute of Neurodegenerative Diseases
 Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2010 - 2011

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Methods and Study of Characterization of Materials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Graduate Course Title:
 “Biomaterials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2009 - 2010

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
 Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Methods and Study of Characterization of Materials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2008 - 2009

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
 Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”

Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Methods and Study of Characterization of Materials”
 Graduate Program
 “Processes and Technology in Advanced Materials”
 Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Associate Professor 2007 - 2008

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
 Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Bioinorganic Chemistry I” with emphasis on model
 complexes in the active sites of non-heme iron-sulfur proteins,
 and electron transfer in metallobiological systems
 EPEAEK Graduate Program “Bioinorganic Chemistry”
 Department of Chemistry, **U. of Ioannina**, Ioannina, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Associate Professor 2006 - 2007

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
 Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Bioinorganic Chemistry I” with emphasis on model
 complexes in the active sites of non-heme iron-sulfur proteins,
 and electron transfer in metallobiological systems
 EPEAEK Graduate Program “Bioinorganic Chemistry”
 Department of Chemistry, **U. of Ioannina**, Ioannina, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Associate Professor 2005 - 2006

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Inorganic Chemistry Laboratory I”
 Department of Chemical Engineering
Undergraduate Course Title: “Inorganic Chemistry Laboratory II”
 Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
 “Bioinorganic Chemistry I” with emphasis on model
 complexes in the active sites of non-heme iron-sulfur proteins,
 and electron transfer in metallobiological systems
 EPEAEK Graduate Program “Bioinorganic Chemistry”
 Department of Chemistry, **U. of Ioannina**, Ioannina, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
 Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Associate Professor 2004 - 2005

Undergraduate Course Title: “Inorganic Chemistry”
 Department of Chemical Engineering
Undergraduate Course Title: “Inorganic Chemistry Laboratory I”
 Department of Chemical Engineering
Undergraduate Course Title: “Inorganic Chemistry Laboratory II”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece

Associate Professor 2003 - 2004

Undergraduate Course Title: “Inorganic Chemistry Laboratory II”
 Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Graduate Course Title:

“Advanced Spectroscopy” with emphasis in
X-ray crystallography.
EPEAEK Graduate Program “Isolation and Characterization of
Natural Products with Biological Activity”
Department of Chemistry, **U. of Crete**, Heraklion, Greece

Associate Professor 2002 - 2003

Undergraduate Course Title: “Inorganic Chemistry I”

Graduate Course Title:

“Advanced Spectroscopy” with emphasis in
X-ray crystallography.

EPEAEK Graduate Program “Isolation and Characterization of
Natural Products with Biological Activity”

Graduate/Elective Undergraduate Course Title:

“Metal Ions in Gene Regulation”.

Department of Chemistry, **U. of Crete**, Heraklion, Greece

Graduate Course Title:

“Bioinorganic Chemistry I” with emphasis on model
complexes in the active sites of non-heme iron-sulfur proteins,
and electron transfer in metallobiological systems

EPEAEK Graduate Program “Bioinorganic Chemistry”

Department of Chemistry, **U. of Ioannina**, Ioannina, Greece

Assistant Professor/Associate Professor 2001 - 2002

Undergraduate Course Title: “Inorganic Chemistry I”

Graduate Course Title:

“Advanced Spectroscopy” with emphasis in X-ray crystallography.

EPEAEK Graduate Program “Isolation and Characterization of
Natural Products with Biological Activity”

Graduate/Elective Undergraduate Course Title:

“Metal Ions in Diagnostic and Therapeutic Medicine,
and Pharmacology”.

Department of Chemistry, **U. of Crete**, Heraklion, Greece

Assistant Professor 2000 - 2001

Undergraduate Course Title: “Inorganic Chemistry I”

Graduate/Elective Undergraduate Course Title:

“Metal Ions in Medicine and Pharmacology”.

Department of Chemistry, **U. of Crete**, Heraklion, Greece

Graduate Course Title:

“Bioinorganic Chemistry I” with emphasis on model
complexes in the active sites of non-heme iron-sulfur proteins,
and electron transfer in metallobiological systems

“Bioinorganic Chemistry II” with emphasis on the structure
and function of heme and non-heme iron sulfur proteins
and enzymes in biology

EPEAEK Graduate Program “Bioinorganic Chemistry”

Department of Chemistry, **U. of Ioannina**, Ioannina, Greece

- Assistant Professor** 1999 - 2000
Undergraduate Course Title: "Inorganic Chemistry I"
Undergraduate Course Title: "Inorganic Chemistry II"
Graduate/Elective Undergraduate Course Title:
 "Metal Ions in Pharmacology and Medical Diagnostics".
Graduate Course Title:
 "Advanced Spectroscopy" with emphasis in X-ray crystallography.
 EPEAEK Graduate program "Isolation and Characterization
 of Natural Products with Biological Activity"
 Department of Chemistry, **U. of Crete**, Heraklion, Greece
Undergraduate Course Title: "Principles and Applications
 of Chemistry and Biology"
 Department of Pedagogy, **U. of Crete**, Rethymnon, Greece
Graduate Course Title:
 "Bioinorganic Chemistry II" with emphasis on the structure
 and function of heme and non-heme iron sulfur proteins
 and enzymes in biology
 EPEAEK Graduate Program "Bioinorganic Chemistry"
 Department of Chemistry, **U. of Ioannina**, Ioannina, Greece
- Assistant Professor** 1998 - 1999
Undergraduate Course Title: "Inorganic Chemistry I"
Graduate/Elective Undergraduate Course Title:
 "Metal Ions in Medicine and Pharmacology".
 Department of Chemistry, **U. of Crete**, Heraklion, Greece
Undergraduate Course Title: "Principles and Applications
 of Chemistry and Biology"
 Department of Pedagogy, **U. of Crete**, Rethymnon, Greece
- Assistant Professor** 1997 - 1998
Undergraduate Course Title: "Inorganic Chemistry I"
Graduate Course Title: "Metal ions in Pharmacology and
 Diagnostic Medicine"
 Department of Chemistry, **U. of Crete**, Heraklion, Greece
Undergraduate Course Title: "Principles and Applications
 of Chemistry and Biology"
 Department of Pedagogy, **U. of Crete**, Rethymnon, Greece
- Assistant Professor** 1996 - 1997
Undergraduate Course Title:
 "Inorganic Chemistry of Transition Metal Complexes"
 Department of Chemistry, **U. of Crete**, Heraklion, Greece
- Assistant Professor** 1995 - 1996
Graduate Course Title: "Metal ions in Biological Systems"
Undergraduate Course Title: "Inorganic Chemistry II.
 Mechanisms in Inorganic and Organometallic Chemistry"
 Department of Chemistry, **U. of Crete**, Heraklion, Greece

	Guest Lecturer & Instructor <u>Course title:</u> “Biotechnology and Fermentation”, Departments of Chemistry and Chem. Engineering, M.I.T. , Cambridge, Massachusetts, USA.	1990 - 1991
	Guest Lecturer <u>Course title:</u> “Environmental Microbiology”, Department of Civil Engineering, M.I.T. , Cambridge, Massachusetts, USA	1991
	Guest Lecturer-Instructor Teaching undergraduate students and Industry Professionals, from interdisciplinary programs, the application of biochemical and analytical techniques in microbial fermentations. Departments of Chemistry and Chem. Engineering, M.I.T. , Cambridge, Massachusetts, USA	1988 – 1990
	Research Assistant Synthetic, analytical and X-ray crystallographic techniques in the characterization of new materials. Department of Chemistry, The U. of Michigan , Ann Arbor, Michigan, USA	1985 - 1988
	Teaching Assistant Department of Chemistry, The University of Iowa , Iowa City, Iowa, USA Taught and led General and Inorganic Chemistry Lab Sessions. Voluntarily held tutorial sessions in inorganic and general chemistry for undergraduate students.	1982 - 1983
ERASMUS TEACHING ACTIVITIES	Faculty of Food Processing Technology Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara Timisoara, Romania	2000-present
	Department of Chemistry and Biology West University of Timisoara Timisoara, Romania	2006-present
	Dept. of Applied Chemistry and Material Sciences Polytechnic University of Bucharest Bucharest, Romania	2006-2008
	Department of Chemistry University of Bucharest Bucharest, Romania	2013-present

	Department of Inorganic and Analytical Chemistry University of Szeged Szeged, Hungary	2002-2008
AWARDS AND DISTINCTIONS	Representative of Greece in the Inorganic Chemistry Division of the European Chemical Society (EuChemS)	2016-present
	1 st Award on the best unpublished work presented during the 2 nd <i>Panhellenic Congress on Thoracic and Environmental Diseases</i> November, 10-13, 2016, Thessaloniki, Greece.	November 2016
	Editorial Board Journal of Inorganic Biochemistry	2014-present
	Editorial Board International Journal of Molecular Sciences	2015-present
	Head of the Inorganic Chemistry thematic area Hellenic Open University , Patras, Greece	2016-present
	Elected Member of the Romanian Society of Cell Biology Timisoara, Romania	2013
	Member of the Scientific Council National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC) Timisoara, Romania	2012-present
	Diploma Gratitude Contribution to the Graduate School Program and the Erasmus initiative West University of Timisoara Timisoara, Romania	2012
	Honorary Professor of the Dept. of Applied Chemistry and Material Sciences Polytechnic University of Bucharest , Romania	2006
	Elected Member of the International Advisory Committee International Symposium on Applied Bioinorganic Chemistry (ISABC)	2009-present
	Member of the International Advisory Board European Journal of Inorganic Chemistry	2005-2010
	Adjunct Professor Faculty of Food Processing Technology	2005-present

Banat University of Agricultural Sciences
and Veterinary Medicine
Timisoara, Romania

Adjunct Professor 2005-present
Faculty of Chemistry-Biology-Geography
Postgraduate Studies Program
West University of Timisoara
Timisoara, Romania

Greek Ministry of National Education and Religion 2004
Senior Fellowship
Department of Chemistry
University of Szeged, Szeged, Hungary

NATO Science Senior Fellowship 2003
Faculty of Food Processing Technology
Banat University of Agricultural and
Veterinary Medicine
Timisoara, Romania

Distinguished Service Award 2003
Awarded by the Prefector of Pieria, Greece,
for recognition of the Distinguished Academic Record
and the promotion of higher education in Pieria.

Greek Ministry of National Education and Religion 2000
Senior Fellowship
Department of Chemistry
University of Bergen, Bergen, Norway

NATO Science Senior Fellowship 1999, 2000
Department of Chemistry
Jozsef Attila University, Szeged, Hungary

Exchange Fellowship of the Greek Ministry of National 1999
Education and Religion
Department of Chemistry
Charles University, Prague, Czech Republic

NATO Postdoctoral Research Fellowship 1988 - 1989
Department of Chemistry,
Massachusetts Institute of Technology
Cambridge, Massachusetts, USA

Knoller Fellowship, Department of Chemistry 5/1986 - 6/1986
The University of Michigan, Ann Arbor
Michigan, USA

The University of Michigan Fellowship Rackham School of Graduate Studies, Ann Arbor Michigan, USA	5/1985 - 6/1985 5/1984 - 6/1984
Greek Government Academic Scholarship (I.K.Y. Award) awarded annually to undergraduate students at Aristotle University of Thessaloniki, Greece, for outstanding academic performance	1978 - 1982
Research Scholarship awarded by the German Academic Agency (D.A.A.D.) to individuals with demonstrated academic excellence	Summer 1981
Stipend awarded by the City Council and the Mayor of Katerini, Pieria, Greece, to undergraduate students for excellence in academic achievements	1981

PUBLICATIONS See attached sheets.
AND
PRESENTATIONS

**ACADEMIC
COMMITTEE
SERVICE**

• Reviewer for the ACS Journal of Inorganic Chemistry	1998-present
• Reviewer for the ACS Journal JACS	1999-present
• Reviewer for Analyst	2007-present
• Reviewer for the African Journal of Agricultural Research	2010-present
• Reviewer for the African Journal of Microbiology Research	2010-present
• Reviewer for Applied Organometallic Chemistry	2010-present
• Reviewer for the Arabian Journal of Chemistry	2015-present
• Reviewer for the Australian Journal of Chemistry	2010-present
• Reviewer for Bioinorganic Chemistry and Applications	2003-present
• Reviewer for Biomed Central Cancer	2013-present
• Reviewer for Biomedical and Environmental Sciences	2014-present
• Reviewer Biological Trace Element Research	2015-present
• Reviewer for Cancer, Immunology and Immunotherapy	2015-present
• Reviewer for Cell Death and Disease	2015-present
• Reviewer for the Central European Journal of Medicine	2007-present
• Reviewer for the Central European Journal of Chemistry	2009-present
• Reviewer for Chemistry Central Journal	2015-present
• Reviewer for the Chinese Journal of Oceanology-Limnology	2013-present
• Reviewer for the International Journal of	

Environmental Analytical Chemistry	2012-present
• Reviewer for the International Research Journal of Pharmacy and Pharmacology	2012-present
• Reviewer for the International Journal of Environmental Analytical Chemistry	2012-present
• Reviewer for the International Journal of Molecular Sciences	2013-present
• Reviewer for the Journal of African Chemistry	2009-present
• Reviewer for the Journal of Applied Phycology	2014-present
• Reviewer for the Journal of Thermal Analysis and Calorimetry	2013-present
• Reviewer for Chemistry: A European Journal	2004-present
• Reviewer for Desalination and Water treatment	2008-present
• Reviewer for Drug Delivery Letters	2013-present
• Reviewer for the European J. of Inorganic Chemistry	2004-present
• Reviewer for the Journal FEBS	2010-present
• Reviewer for Food Chemistry	2005-present
• Reviewer for the Journal Fresenius	2008-present
• Reviewer for Inorganica Chimica Acta	2003-present
• Reviewer for Inorganic Chemistry Communications	2003-present
• Reviewer for the Journal of Agricultural and Food Chemistry	2005-present
• Reviewer for Journal of Analytical Atomic Spectrometry	2011-present
• Reviewer for the Journal Advances in RSC	2013-present
• Reviewer for the Journal of Chromatography	2005-present
• Reviewer for the Journal of Coordination Chemistry	2008-present
• Reviewer for the Journal of Coordination Chemistry and Applications	2008-present
• Reviewer for the Journal of Fluorine Chemistry	2012-present
• Reviewer for the Journal Food Chemistry	2005-present
• Reviewer for the Journal of Coordination Chemistry Reviews	2001-present
• Reviewer for the Journal of Environmental Science and Health	2013-present
• Reviewer for the Journal of Inorganic Biochemistry	1998-present
• Reviewer for the Journal of Materials Chemistry	2008-present
• Reviewer for the Journal of Materials Science	2008-present
• Reviewer for the Journal of Materials Science and Engineering	2010-present
• Reviewer for the Journal of Medicinal Food	2008-present
• Reviewer for the Journal of Molecular Structure	2004-present
• Reviewer for Molecular Biochemistry	2012-present
• Reviewer for the Journal of Nanoparticle Research	2015-present
• Reviewer for the Journal of Physical Chemistry	2013-present
• Reviewer for the Journal of Pure and Applied Chemistry	2008-present
• Reviewer for the Journal Romanian Biotechnological Letters	2010-present
• Reviewer for the Journal of Sol Gel Science and Technology	2006-present
• Reviewer for the Journal of Solid State Chemistry	2003-present
• Reviewer for the Journal of Solution Chemistry	2004-present
• Reviewer for the Journal of Translational Medicine	2015-present
• Reviewer for Lab on a Chip	2011-present
• Reviewer for Materials Letters	2009-present

• Reviewer for Metallomics	2010-present
• Reviewer for Molecular Biosystems	2007-present
• Reviewer for Molecular Spectroscopy	2006-present
• Reviewer for Monats Hefte der Chemie	2006-present
• Reviewer for Nanoscale	2013-present
• Reviewer for Neuropeptides	2015-present
• Reviewer for the New Journal of Chemistry	2008-present
• Reviewer for Organic and Biomolecular Chemistry	2007-present
• Reviewer for Physical Chemistry and Chemical Physics	2008-present
• Reviewer for Polyhedron	2005-present
• Reviewer for Research on Chemical Intermediates	2013-present
• Reviewer for the Royal Chemical Society Chemical Communications	2001-present
• Reviewer for Royal Chemical Society Dalton Transactions	2003-present
• Reviewer for Soft Matter	2013-present
• Reviewer for Spectroscopy Letters	2003-present
• Reviewer for Synthesis and Reactivity in Inorganic, Nano-metal and Metal-Organic Chemistry	2002-present
• Reviewer for Synthesis and Reactivity Reviews	2002-present
• Reviewer of Water Resource and Protection	2012-present
• Reviewer for Talanta	2010-present
• Reviewer for Zeitschrift fur Anorganische und Allgemeine Chemie	2009-present

Reviewer for (Bio)technology Program Grants

❖ Reviewer and Rapporteur for Romanian National Authority for Scientific Research and Innovation (UEFISCDI)	2015-present
❖ Reviewer for Qatar National Research Fund (QNRF)	2015-present
❖ Reviewer for ERA-Net ERAfrica programs	2012-present
❖ Reviewer for OTKA (National Hungarian Grant Agency)	2014-present
❖ Reviewer for EU SEE-ERA NET.PLUS programs	2010-present
❖ Reviewer for SEE-ERA NET programs	2007-2008
❖ Reviewer for Cyprus Institution of Research Promotion Programs	2008-present
❖ Reviewer for State Scholarships Foundation (IKY)	2008-present
❖ Reviewer for General Secretariat of Research and Technology (GSRT) Research Programs in Greece	2002-present
❖ Reviewer for Ministry of Education Research Programs	2002-present
❖ Reviewer of Research Programs on Biotechnology	1999-2002
Natural Environment Research Council (NERC) United Kingdom	

Education and Research

• Education Research Center	1997-present
Cambridge Crystallographic Structural Database System.	
Scientific Advisor for the entire Community in Greece	

Service to the University Community

- Elected to the seven-member Management Group of the Research Committee
Aristotle University of Thessaloniki 2010-2013
- Committee for the evaluation of Ph.D. and Post-Doctoral Researchers toward Fellowships of excellence
Aristotle University of Thessaloniki 2007-2015
- Bioethics Committee
Aristotle University of Thessaloniki 2012-2015
- Research Committee
Aristotle University of Thessaloniki 2008-2015
- Committee for the Evaluation and Quality Assurance of Studies 2011-present
- Committee for Personnel Planning 2007-2012
- Committee on Infrastructure Development, Maintenance and Security
Department of Chemical Engineering
Aristotle University of Thessaloniki 2005-present
- Committee of Undergraduate and Graduate Studies
Department of Chemical Engineering
Aristotle University of Thessaloniki 2005-2014
- Public Relations Committee
Department of Chemical Engineering
Aristotle University of Thessaloniki 2004-2005
- Committee on Chemical and Occupational Safety in the School of Sciences
Dept. of Chemistry, U. of Crete 1998-2003
- Committee on Food Safety and Hygiene of the School of Science Dining Cafeteria
Dept. of Chemistry, U. of Crete 1998-1999
- Committee on the School of Sciences Space Hygiene Control
Dept. of Chemistry, U. of Crete 1998-2003
- Committee on Undergraduate Affairs
Dept. of Chemistry, U. of Crete 1997-2000

- Committee on Undergraduate and Graduate Libraries
Dept. of Chemistry, U. of Crete 1997-2003
- In charge of the Center for Training and Distribution
of data from the Cambridge Crystallographic Structural
Database System in Greece. 1997-present

ADMINISTRATION POSTS

- Representative of Greece in the Inorganic Chemistry
Division of the **European Chemical Society (EuChemS)** 2016-present
- Head of the Inorganic Chemistry Division
Hellenic Open University
Patras, Greece 2016-present
- Director of the Inorganic Chemistry Laboratory
Department of Chemical Engineering
Aristotle University of Thessaloniki
Thessaloniki, Greece 2008-present
- Head of the Chemistry Division
Department of Chemical Engineering
Aristotle University of Thessaloniki 2013-2015
- Member of the Administration Board
Center of Interdisciplinary Research and Innovation
Aristotle University of Thessaloniki 2013-2015
- Director of the Graduate Program
“Processes and Technology of Advanced Materials”
School of Engineering
Aristotle University of Thessaloniki
Thessaloniki, Greece 2008-2010

PROFESSIONAL	Society of Biological Inorganic Chemistry (SBIC)	1997-present
AFFILIATIONS	Hellenic Scientists Association of Boston (HSAB)	1993-present
	Association of Greek Chemists	2004-present
	American Chemical Society	1982-present

PERSONAL Married. Languages: English, Greek and German.

LIST OF PUBLICATIONS

1. Using Bacterial Concentration as Means of Dissipating Information through Chemotaxis
S. Mavridopoulos, P. N., O. Tsave, I. Kavakiotis, A. Salifoglou
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2. Machine Learning and Data Mining Methods in Diabetes Research
I. Kavakiotis, O. Tsave, A. Salifoglou, N. Maglaveras, I. Vlahavas, I. Chouvarda
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3. pH- and Ligand Structure-Specific Synthesis, Structure-Lattice Dimensionality and Spectroscopic Fingerprint in Novel Binary In(III)-Hydroxycarboxylic Acid Materials.
E. Halevas, E. Chatzigeorgiou, S. Hatzispyrou, A. Hatzidimitriou, V. Psycharis, A. Salifoglou
Polyhedron, **2017**, *127*, 420-431.
4. Research directives toward deciphering adverse outcome pathways induced by environmental metallotoxins
D. A. Sarigiannis, A. Salifoglou
Current Opinion in Chemical Engineering, **2016**, 161-169.
5. Systematic pH-Specific Synthesis and Structure Transformations in Binary-Ternary In(III) Assemblies with Hydroxycarboxylic DPOT and Aliphatic-Aromatic Chelators.
E. Halevas, A. Hatzidimitriou, C. Gabriel, C. Mateescu, A. Salifoglou
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6. The adipogenic potential of Cr(III). A molecular approach exemplifying metal-induced enhancement of insulin mimesis in diabetes mellitus II
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7. Hybrid Catechin Silica Nanoparticle Influence on Cu(II) Toxicity and Morphological Lesions in Primary Neuronal Cells
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J. Inorganic Biochemistry, **2016**, *163*, 240-249.
8. Interaction between Albumin and Pluronic F127 Block Copolymer Revealed by Global and Local Physicochemical Profiling
M. V. Neacsu, I. Matei, M. Micutz, T. Staicu, A. Precupas, V. T. Popa, A. Salifoglou, and G. Ionita
The Journal of Physical Chemistry B, **2016**, *120(18)*, 4258-4267.
9. Role of Vanadium in Cellular and Molecular Immunology. Association with Immune-Related Inflammation and Pharmacotoxicology Mechanisms.
O. Tsave, S. Petanidis, E. Kioseoglou, M. P. Yavropoulou, J. G. Yovos, D. Anastakis, A. Tsepa, A. Salifoglou
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10. In Vitro and Ex Vivo Vanadium Antitumor Activity in (TGF- β)-Induced EMT. Synergistic Activity with Carboplatin and Correlation with Tumor Metastasis in Cancer Patients.
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11. A Simple and Rapid Method for Calixarene-Based Selective Extraction of Bioactive Molecules from Natural Products
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12. Structural–Spectrochemical Correlations of Variable Dimensionality Crystalline Metal–Organic Framework Materials in Hydrothermal Reactivity Patterns of Binary–Ternary Systems of Pb(II) with (a)Cyclic (Poly)carboxylate and Aromatic Chelator Ligands
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13. Structure-Specific Adipogenic Capacity of Novel, Well-defined Ternary Zn(II)-Schiff Base Materials. Biomolecular Correlations in Zinc-Induced Differentiation of 3T3-L1 Pre-adipocytes to Adipocytes.
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14. Sol-Gel Encapsulation of Binary Zn(II) Compounds in Silica Nanoparticles. Structure-Activity Correlations in Hybrid Materials Targeting Zn(II) Antibacterial Use.
E. Halevas, C.M. Nday, E. Kaprara, V. Psycharis, C.P. Raptopoulou, G. Jackson, G. Litsardakis, A. Salifoglou
J. Inorganic Biochemistry, **2015**, 151, 150-163.
15. pH-Specific Crystalline Binary and Ternary Metal Organic Framework Materials of Pb(II) with (Di)Tricarboxylate Ligands and N,N'-Aromatic Chelators. Structure, Architecture-Lattice Dimensionality, and Electronic Spectroscopic Property Correlations.
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Crystal Growth and Design, **2015**, 15(4), 1666–1682.
16. The chemistry and biology of vanadium compounds in cancer therapeutics
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Coordination Chemistry Review, **2015**, 301-302, 87-105.
17. Design, Synthesis and Characterization of Novel Binary V(V)-Schiff Base Materials Linked with Insulin-Mimetic Vanadium-Induced Differentiation of 3T3-L1 Fibroblasts to Adipocytes. Structure-Function Correlations at the Molecular Level.
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18. Mechanisms and Applications of Interleukins in Cancer Immunotherapy
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19. Novel pH-Specific Halide-Dependent Binary and Ternary Materials from Zr(IV)-Hydroxycarboxylic Acid-Aromatic Chelator Reactivity in Aqueous Media. Architecture-Lattice Dimensionality and Spectroscopic Fingerprint Correlations.
E. Halevas, A. Karamelidou, A. Hatzidimitriou, C. Mateescu, A. Salifoglou
Eur. J. Inorg. Chemistry, **2015**, *4*, 664-679.
20. Quercetin Encapsulation in Modified Silica Nanoparticles. Potential Use Against Cu(II)-Induced Oxidative Stress in Neurodegeneration.
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J. Inorganic Biochemistry, **2014**, *145*, 51-64.
21. Cationic Spin Probe Reporting on Thermal Denaturation and Complexation-Decomplexation on BSA and SDS. Potential Application in Protein Purification Processes.
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J. Phys. Chem. B, **2014**, *118*, 11238-112352.
22. Schiff base coordination flexibility toward binary cobalt and ternary zinc complex assemblies. The case of the hexadentate ligand N,N'-bis[(2-hydroxymethylbenzylidene amino)-propyl]-piperazine
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23. Structure Lattice-Dimensionality and Spectroscopic Property Correlations in Novel Binary and Ternary Materials of Group 13 Elements with the α -Hydroxycarboxylic Benzoic Acid and Phenanthroline.
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Crystal Growth and Design, **2014**, *14*, 4041-4059.
24. Heptanuclear Antiferromagnetic Fe(III)-D(-)-Quinato Assemblies with an $S = 3/2$ Ground State. pH-Specific Synthetic Chemistry, Spectroscopic, Structural, and Magnetic Susceptibility Studies
M. Menelaou, E. Vournari, V. Psycharis, C. P. Raptopoulou, A. Terzis, V. Tangoulis, Y. Sanakis, C. Mateescu, and A. Salifoglou
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25. Differential expression of IL-17, 22 and 23 in the progression of colorectal cancer in patients with K-ras mutation. Ras signal inhibition and crosstalk with GM-CSF and IFN- γ .
S. Petanidis, D. Anastakis, M. Argyraki, M. Hadzopoulou-Cladaras, A. Salifoglou
PLoS ONE, **2013**, *8*(9), e73616.
26. Pseudosymmetry and pseudomerohedry or nonmerohedral twinning for the known structure of diaquabis(quinolin-8-olato- κ (2)N,O)zinc(II).

G. Varelas, A. Salifoglou, V. Psycharis
Acta Crystallographica C, **2013**, 69, 868-871.

27. Binary and Ternary Metal–Organic Hybrid Polymers in Aqueous Lead(II)–Dicarboxylic Acid–(Phen) Systems. The Influence of O- and S-Ligand Heteroatoms on the Assembly of Distinct Lattice Architecture, Dimensionality, and Spectroscopic Properties
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28. Binary Decavanadate-Betaine Composite Materials of Potential Anticarcinogenic Activity
E. Kioseoglou, C. Gabriel, S. Petanidis, V. Psycharis, C.P. Raptopoulou, A. Terzis, and A. Salifoglou
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29. Aromatic Chelator-Specific Lattice Architecture and Dimensionality in Binary and Ternary Cu(II)-Organophosphonate Materials.
V. Georgantas, M. Menelaou, V. Psycharis, C. P. Raptopoulou, A. Terzis, V. Tangoulis, C. Mateescu, A. Salifoglou
Inorganic Chemistry, **2013**, 52, 4963–4976.
30. Manganese Oxychloride-Modified Hydrophobic Silica Targets Removal of Nitrates from Water
E. Halevas, A. Malakopoulos, A. Delimitis, V. Zaspalis, G. Litsardakis, A. Salifoglou
Water Air Soil Pollut., **2013**, 224, 1598-1610.
31. Novel ternary vanadium-betaine-peroxido species suppresses H-ras and matrix metalloproteinase-2 expression by increasing reactive oxygen species-mediated apoptosis in cancer cells
Savvas Petanidis, Efrosini Kioseoglou, Margarita Hadzopoulou-Cladaras, Athanasios Salifoglou.
Cancer Letters, **2013**, 335, 387-396.
32. Cadmium Modulates H-ras Expression and Caspase-3 Apoptotic Cell Death in Breast Cancer Epithelial MCF-7 cells.
S. Petanidis, M. Hadzopoulou-Cladaras, A. Salifoglou
Journal of Inorganic Biochemistry, **2013**, 121, 100–107
33. pH-Specific synthesis, spectroscopic, structural and magnetic, and aqueous solution studies in the binary Cr(III)–quinato system
C. Mateescu, C. Gabriel, C.P. Raptopoulou, A. Terzis, V. Tangoulis, A. Salifoglou
Polyhedron, **2013**, 52, 598–609.
34. EPR and Circular Dichroism Solution Studies on the Interactions of Bovine Serum Albumin with Ionic Surfactants and β -Cyclodextrin.
A. Rogozea, I. Matei, I.M. Turcu, G. Ionita, V.E. Sahini, A. Salifoglou
J. Phys. Chem. B. **2012**, 116(49), 14245-14253.

35. pH-Specific Hydrothermal Synthesis of Binary and Ternary Pb(II)-(O,N)carboxylic Acid Metal Organic Framework Compounds. Correlation of Aqueous Solution Speciation and Variable Dimensionality Lattice Architecture and Spectroscopic Signatures.
C. Gabriel, M. Perikli, C. P. Raptopoulou, V. Psycharis, A. Terzis, C. Mateescu, T. Jakusch, T. Kiss, M. Bertmer, A. Salifoglou
Inorganic Chemistry, **2012**, *51*, 9282–9296.
36. In vitro Neurotoxic Fe(III) and Fe(III)-Chelator Activities in Rat Hippocampal Cultures. From Neurotoxicity to Neuroprotection aspects.
Christiane M. Nday, Gensila Malollari, Savvas Petanidis, Athanasios Salifoglou
Journal of Inorganic Biochemistry, **2012**, *117*, 342-350.
37. pH-Specific Structural Speciation of the Ternary V(V)-Peroxo-Betaine System. A Chemical Reactivity-Structure Correlation
C. Gabriel, E. Kioseoglou, J. Venetis, V. Psycharis, C. P. Raptopoulou, A. Terzis, G. Voyiatzis, M. Bertmer, C. Mateescu, A. Salifoglou
Inorganic Chemistry, **2012**, *51*, 6056–6069.
38. Coordination Polymeric Materials in Binary and Ternary Cu(II)-Tetracarboxylate-Bipy Systems. Structure-Reactivity Correlation in Cu(II)-(O,N) 1D-3D Lattice Assemblies.
M. Menelaou, N. Lalioti, V. Psycharis, C. P. Raptopoulou, A. Terzis, C. Mateescu, A. Salifoglou
Polyhedron, **2012**, *40*, 134–144.
39. A unique dinuclear mixed oxo-peroxo V(V) complex in the structural speciation of the ternary V(V)-peroxo-citrate system. Potential Mechanistic and Structural Insight into the aqueous synthetic chemistry of dinuclear V(V)-citrate species with H₂O₂.
M. Kaliva, C. Gabriel, C. P. Raptopoulou, A. Terzis, G. Voyiatzis, M. Zervou, C. Mateescu, A. Salifoglou
Inorganic Chemistry, **2011**, *50*, 11423–11436.
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C. Gabriel, C. P. Raptopoulou, V. Psycharis, A. Terzis, M. Zervou, C. Mateescu, A. Salifoglou
Crystal Growth and Design, **2011**, *11*, 382-395
41. In Depth Investigation of the Synthesis, Structural, and Spectroscopic Characterization of a High pH Binary Co(II)-N,N-bis(phosphonomethyl)glycine Species. Association with Aqueous Speciation Studies of Binary Co(II)-(Carboxy)Phosphonate Systems.
M. Menelaou, M. Daskalakis, A. Mateescu, C. P. Raptopoulou, A. Terzis, C. Mateescu, V. Tangoulis, T. Jakusch, T. Kiss, A. Salifoglou
Polyhedron, **2011**, *30*, 427-437.
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- M. Menelaou, A. Konstantopai, N. Lalioti, C. Raptopoulou, V. Psycharis, A. Terzis, C. Mateescu, K. Tsarhopoulos, P. Rigas, A. Salifoglou
Inorganic Chemistry, **2010**, 49 (24), 11449–11462.
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C. M. Nday, B. D. Drever, A. Salifoglou, and B. Platt
Brain Research, **2010**, 1352, 265-276.
 44. Aluminium interferes with hippocampal calcium signalling in a species-specific manner
C. M. Nday, B. D. Drever, A. Salifoglou, and B. Platt
J. Inorganic Biochemistry, **2010**, 104, 919-927.
 45. pH-Dependent Syntheses, Structural and Spectroscopic Characterization, and Chemical Transformations of Aqueous Co(II)-Quinate Complexes. An Effort to Delve Into the Structural Speciation of Co(II)-Quinic Acid Binary System.
M. Menelaou, A. Konstantopai, C. Mateescu, H. Zhao, C. Drouza, N. Lalioti, A. Salifoglou
Inorganic Chemistry, **2009**, 48, 8092–8105.
 46. Synthesis, Spectroscopic, Structural and Magnetic Studies of New Binary Cr(III)-Citrate pH-Specific Structural Variants from Aqueous Media.
C. Gabriel, C. P. Raptopoulou, C. Drouza, N. Lalioti, A. Salifoglou
Polyhedron, **2009**, 28, 3209–3220.
 47. pH-Specific Synthetic Chemistry, and Spectroscopic, Structural, Electrochemical and Magnetic Susceptibility Studies in Binary Ni(II)-(Carboxy)Phosphonate Systems.
M. Menelaou, M. Dakanali, C. P. Raptopoulou, C. Drouza, N. Lalioti, A. Salifoglou
Polyhedron, **2009**, 28, 883-890.
 48. The pH-Specific Synthesis, Spectroscopic, Structural and Magnetic Properties of a New Ni(II) Species Containing the Plant Physiological Binder D(-)-Quinic Acid. Association with the Aqueous Speciation of the Binary Ni(II)-Quinate System.
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Polyhedron, **2009**, 28, 883-890.
 49. Aqueous V(V)-peroxo-amino acid chemistry. Synthesis, structural and spectroscopic characterization of unusual ternary dinuclear tetraperoxo vanadium(V)-glycine complexes
C. Gabriel, M. Kaliva, J. Venetis, P. Baran, I. Rodriguez-Escudero, G. Voyiatzis, M. Zervou, A. Salifoglou
Inorganic Chemistry, **2009**, 48, 476–487.
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V. Georgantas, N. Kotsakis, C. P. Raptopoulou, A. Terzis, L. Iordanidis, M. Zervou, T. Jakusch, T. Kiss, A. Salifoglou
J. Inorganic Biochemistry, **2009**, 103, 1530–1541.
 51. Probing for Missing Links in the Binary and Ternary V(V)-Citrate-(H₂O₂) Systems. Synthetic Efforts and in vitro Insulin Mimetic Activity Studies.

- C. Gabriel, J. Venetis, M. Kaliva, C. P. Raptopoulou, A. Terzis, C. Drouza, B. Meier, G. Voyiatzis, C. Potamitis, A. Salifoglou
J. Inorganic Biochemistry, **2009**, *103*, 503–516.
- 52.** Aqueous Solution Studies and pH-Dependent Synthetic Chemistry in the Binary System of Iron(III) with the α -Hydroxylcarboxylate Substrate Quinic Acid. Relevance to Iron Mobilization in Plants.
 M. Menelaou, C. Mateescu, H. Zhao, R.G. Raptis, N. Lalioti, Y. Sanakis, A. Simopoulos, A. Salifoglou
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- 53.** Synthetic, Structural, Spectroscopic and Solution Speciation Studies of the Binary Al(III)-Quinic Acid System. Relevance of soluble Al(III)-hydroxycarboxylate species to molecular toxicity.
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Polyhedron, **2008**, *27*, 2911–2920.
- 54.** pH-Specific Synthesis, Isolation, Spectroscopic and Structural Characterization of a New Dimeric Assembly of Dinuclear Vanadium(V)-Citrate-Peroxo Species from Aqueous Solutions.
 M. Kaliva, C. Gabriel, C. P. Raptopoulou, A. Terzis, A. Salifoglou
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Inorganica Chimica Acta, **2008**, *361*, 2210-2224.
- 56.** Differential toxicity of novel aluminium compounds in hippocampal culture
 B. Platt, A. J. Drysdale, C. Nday, E. L. Roloff, B. D. Drever, A. Salifoglou
NeuroToxicology, **2007**, *28*, 576–586
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 C. Gabriel, C. P. Raptopoulou, A. Terzis, V. Tangoulis, C. Mateescu, A. Salifoglou
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 C. Gabriel, C. P. Raptopoulou, A. Terzis, N. Lalioti, A. Salifoglou
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- of species between Co(II) and N,N-bis(phosphonomethyl)glycine. Gaining insight into metal-ion phosphonate interactions in aqueous Co(II)–organophosphonate systems
A. Mateescu, C. Gabriel, R. G. Raptis, P. Baran, A. Salifoglou
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D. Coucouvanis, A. Salifoglou, S. Al-Ahmad, M. Kanatzidis, A. Simopoulos,
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- 104.** Synthesis, Structural Characterization, and Electronic Structures of the $[(\text{Fe}_6\text{S}_6\text{X}_6)\{\text{M}(\text{CO})_3\}_2]^{3-}$ Clusters ($\text{X} = \text{Cl}^-, \text{Br}^-$).
D. Coucouvanis, A. Salifoglou, M. G. Kanatzidis, A. Simopoulos, and A. Kostikas,
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that Contains the $[\text{W}_2\text{Fe}_6\text{S}_6]^{3+}$ Core.

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D. Coucouvanis, A. Salifoglou, M. G. Kanatzidis, A. Simopoulos,
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Articles in Newspapers and Scientific Magazines

1. Ph.D. Studies in the Science of Chemical Engineering

A. Salifoglou, G. Sakellarpoulos

Polymichano **2008**, 22, 81-84.

RESEARCH AND EDUCATIONAL WORK
DOCTORAL THESES (Ph.D.)

	Thesis Title	Ph.D. candidate	Year	Institution
1	The study of giant magnetoresistance effect in the $\text{LaNi}_{1-x}\text{CoO}_3$ solid solution	John Androulakis	2002	Department of Chemistry University of Crete Heraklion, Greece
2	Synthetic, spectroscopic, and structural speciation studies of insulin mimetic vanadium in the presence of physiological ligands in aqueous media	Maria Kaliva	2003	Department of Chemistry University of Crete Heraklion, Greece
3	Synthesis, isolation and physicochemical characterization of compounds between (O,N)-organic substrates and metallotoxins	Catherine Gabriel	2009	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
4	Structural speciation and fluorescence property studies of organic substrates with toxic metal ions in aqueous and non-aqueous media	Melita Menelaou	2009	
5	Structural speciation of metal ionic complexes of titanium with physiological substrates in binary systems with biological applications	Panagiotis Panagiotidis	2009	
6	Study of the effect of heavy metal ions on the oncogene HRAS. Toxicity oncogenic action correlation.	Christiane Nday	2009	
7	Study of the oxidative stress interactions between metallotoxins and amyloid targets in Alzheimer's disease	Bill Georgantas	2013	
8	Study of the interaction of metal ions with H-ras and K-ras oncogenes. Focusing on the	Savvas Petanidis	2013	

	carcinogenic cadmium and the development of anticancer vanadium metallopharmaceuticals.			
9	Structural speciation of vanado-pharmaceutical materials with insulin mimetic and anticancer drug activity	Efrosini Kioseoglou	2013	
10	Study of metallo-organic materials with antidiabetic properties and molecular hosts of encapsulation, transport and release of metallo-drugs and other micro- and macro-molecular substrates in cellular tissues.	Eleftherios Halevas	2014	
11	Development of structure-function models of new metallodrugs of vanadium and zinc, based on insulin mimetic molecular markers in Diabetes mellitus II	Olga Tsave	2016	
12	Binary and ternary hybrid materials with physiological substrates in biological applications	Catherine Iordanidou	Ph.D. Candidate	
13	(Poly)metallic zirconium, hafnium and lanthanide materials with organic substrates, targeting optical, structural and mechanical applications.	Christos Gavrilidis	Ph.D. Candidate	
14	Development of advanced materials (additive and non-additive) with properties enhancing composition, physicochemical profile and mechanical properties of cement and coating materials	Athanasios Malakopoulos	Ph.D. Candidate	

GRADUATE DEGREE THESES (M.Sc.)

	M.Sc. candidate	Year	Institution
1	Christina Matsingou	2000	Department of Chemistry University of Crete Heraklion, Greece
2	Nick Kotsakis	2001	
3	Anca Mateescu	2004	
4	Nick Petrakis	2004	
5	Evangelos Kefalas	2004	
6	Paraskevi Karakosta	2010	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
7	Athanasios Malakopoulos	2011	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
8	Sofia Aggeli	2011	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
9	E. Halevas	2012	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
10	E. Hatzigeorgiou	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
11	T. Architectonidis	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University

			of Thessaloniki Thessaloniki, Greece
12	G. Kotriklas	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
13	S. Sarigolis	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
14	K. Rogotis	2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
15	N. Mantzos	2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece

UNDERGRADUATE DEGREE DIPLOMA THESES

	Thesis Title	Undergraduate student	Year	Institution
1	The chemistry of vanadium with di- and tri-carboxylic acids in the active centers of biological systems.	Evangelia Kotsifaki	1997	Department of Chemistry University of Crete Heraklion, Greece
2	In vitro study of the antioxidant properties and interactions of polyphenols with iron in tea.	Christina Matsingou	1997	
3	The chemical affinity of vanadium for di(tri) carboxylic acids.	Maria Tsaramyrsi	1998	

4	Metal ionic complexes of metal ions with citrates. Syntheses and physicochemical characterization.	Manolis Matzapetakis	1998	
5	Bioinorganic complexes of zinc from the active center of porphobilinogen synthase I.	Nick Kotsakis	1998	
6	Bioinorganic complexes of zinc from the active center of porphobilinogen synthase II.	Helen Papadimou	1998	
7	The role of the cytoskeletal actin system in the opioid regulatory excretion of catecholamines from neuroendocrine cells in vitro.	Maria Metaxari	1998 (Co-Advisor with Prof. Margioris from the Laboratory of Clinical Chemistry at the Medical School of the University of Crete)	
8	Human Transforming Growth Factor TGF- β 1. Study of the effect of opioids on the 5'-induced region of the TGF- β 1 gene in transfected endometrial and breast cancer cells.	John Damianakis	1998 (Co-advisor with Prof. A. Gravanis in the Laboratory of Pharmacology at the Medical School of the University of Crete)	
9	The aqueous chemistry of Pb(II) with citric acid. Biological consequences.	Markos Kourgiantakis	1999	
10	Bioinorganic complexes of zinc from the active center of porphobilinogen synthase.	Despoina Kavousanaki	1999	
11	Study of vanadium with di- and tri-carboxylic acids.	Maria Kaliva	2000	

12	Vanadium as a central metal ion in systems with biological substrates.	Thomais Giannadaki	2000	
13	Study of the antioxidant properties of various plants and herbs in Greece.	Irene Plevri	2000	
14	Metal ionic complexes with citrates. Syntheses and physicochemical characterization.	Marianna Dakanali	2001	
15	Synthesis, isolation and physicochemical characterization of vanadium complexes with ligands involving malonic acid, quinic acid and Glyphosate.	John Avagianos	2001	
16	Study of the effects of heavy metal ions on the transcriptional regulation of the RAS gene family I.	Catherine Kavroulaki	2001	
17	Aqueous chemistry of V(IV,V) with citric acid.	Emanuel Kyriakakis	2002	
18	Aqueous chemistry of transition metal ions with physiological ligands.	Evangelos Kefalas	2002	
19	Study of the antioxidant properties and HPLC analysis of sage extracts from organic solvents.	Nick Petrakis	2002	
20	Metal ion complexes with organic substrates. Relation to biological activity of metal ions in biological fluids.	Markos Daskalakis	2002	
21	Metal ion complexes with organic substrates of biological activity.	Stamatia Kountouri	2002	

22	Study of the effects of heavy metal ions on the transcriptional regulation of the RAS oncogene family II.	Themis Alissafi	2002	
23	Complexes of Al(III) with substrates of physiological significance.	Maria Manioudaki	2003	
24	The aqueous chemistry of Al(III) in the presence of citric, malic and tartaric acid.	Theodora Papadomanolaki	2003	
25	Study of the antioxidant properties in herb infusions: lemongrass-lime-mint-mountain tea against oxidation catalyzed by Fe(III). Polyphenol determination.	Sonia Kargaki	2003	
26	Synthetic approaches to the synthesis of organic chemical substrates.	Christophoros Chalampalakakis	2003	
27	Study of the effects of heavy metal ions in the transcriptional regulation of the RAS oncogene family III.	Maria Kyriakou	2003	
28	Extraction of interesting components from the herb <i>Salvia Officinalis</i> by the use of different solvents	Benoit Dervaux	2001 Departement de Genie Biologique, Institut Universitaire de Technologie A, Universite des Sciences et Technologie de Lille, Lille, France	Department of Chemistry University of Crete Heraklion, Greece
29	Extraction, antioxidant activity and quantification of polyphenols from <i>Salvia Fruticosa</i>	David Saout	2002 Departement de Genie Biologique, Institut Universitaire de Technologie A,	Department of Chemistry University of Crete Heraklion, Greece

			Universite des Sciences et Technologie de Lille, Lille, France	
30	Determination and quantification of antioxidant activity of plants in Hypericum and Melissa	Emilie Gartier	2003 Departement de Genie Biologique, Institut Universitaire de Technologie A, Universite des Sciences et Technologie de Lille, Lille, France	Department of Chemistry University of Crete Heraklion, Greece
31	The aqueous chemistry of Cd(II) with tartaric acid. Synthesis, isolation, structural and spectroscopic characterization of a new material from the binary Cd(II)-tartaric acid system.	Panagiotis Roditis	2005	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
32	Synthesis, isolation, structural and spectroscopic characterization of new complexes of Co(II) with organic substrates.	Antonia Konstantopai	2006	
33	Synthesis, isolation, structural and spectroscopic characterization of water soluble materials of vanadium with physiological substrates. Correlation with the insulin mimetic activity of vanadium.	John Venetis	2007	
34	Synthesis, isolation, structural and spectroscopic characterization of new crystalline compounds of Ni(II) with organic substrates.	Vassiliki Vamvourelli	2008	

35	Synthesis, isolation, structural and spectroscopic characterization of new compounds of Hg(II) and Cd(II) with organic substrates.	John Kyindris	2008	
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36	Gold in catalysis	Konstantinos Chrontzios	2008	
37	Technologies and applications in the cement industry.	Alexander Papadopoulos	2008	
38	Study of the pleiotropic toxicity of synthetic vanadium and cadmium compounds with citric acid in mice.	Antigoni Georgiou	2009	
39	The aqueous chemistry of the trivalent metal ions Al(III) and Cr(III) with organic substrates.	Anna Tsimpou	2009	
40	Study of the aqueous chemistry of Pb(II) and Hg(II) in the presence of organic substrates.	Maria Perikli	2009	
41	Synthetic approaches to the chemistry of Cd(II) with organic (O,N)-substrates.	Urania Oikonomidou	2010	
42	Synthesis, isolation, structural and physicochemical characterization of compounds between (O,N)-organic substrates with metallotoxins.	Evangelia Vavoura	2010	
43	Study of the chemistry of divalent Co(II) with O- and (O,N)-substrates.	Maria Panidou	2010	
44	Study of the chemical behavior of O- and (O,N)-substrates with transition metal ions.	Erasmia Vournari	2010	
45	Synthesis, isolation, structural and physicochemical characterization of water soluble materials of zinc with physiological substrates. Correlation with the insulin mimetic ability of zinc.	Theodore Architectonidis	2010	
46	Study of the chemical behavior of divalent Cu(II) with O- and (O,N)-substrates in aqueous and non-aqueous media.	Pantelitsa Loizia	2011	

47	Synthesis, isolation, structural and physicochemical characterization of new crystalline hybrid materials based on zirconium.	Chris Gavriilidis	2011	
48	Synthesis, isolation, structural and physicochemical characterization of hybrid materials of Cu(II) and Co(II) with organic (O,N)-substrates.	Lamprini Ioannou	2011	
49	Synthesis of new hybrid materials of Pb(II) with amino-phosphonic acids through the use of the hydrothermal method.	Olga Miliou	2011	
50	Study of the aqueous chemistry of Al(III) in the presence of physiological substrates	Eva Hadzigeorgiou	2012	
51	Synthesis, isolation and physicochemical characterization of a new hybrid materials based on zirconium	Manolis Koutroumpis	2013	
52	Synthesis, isolation, structural and spectroscopic characterization of new multi-ligand systems of Bi(III) with organic substrates	Artemis Tsiaprazi-Stamou	2013	
53	Synthesis and physicochemical characterization of biocatalysts by encapsulation of enzymes in hydrophobic silica.	Nancy Tziamourani	2014	
54	Synthesis, isolation, spectroscopic and structural characterization of hybrid mercury complexes with physiological ligands.	Maria Barouta	2014	
55	Synthesis, isolation, structural and spectroscopic characterization of hybrid compounds of La(III) with organic substrates	Christos Krikis	2014	
56	Study of the chemistry of 3d-4f heterometallic lanthanide hybrid materials Ln-MOFs with dicarboxylic ligands	Rebecca Tekidou	2014	
57	Design and synthesis of binary-ternary materials of Pb(II) with	Konstantinos Flioukas	2015	

	long carbon chain dicarboxylic acids			
58	Investigation of insulin mimetic action of synthetic zinc and vanadium species in relevance to Diabetes type II	Melanthia Kafantari	2015	
59	Activity evaluation of discrete zinc forms in cellular survival and migration in adipose tissue	Christos Kechagioglou	2015	
60	Synthesis, isolation, structural and physico-chemical characterization of novel hybrid V(V) compounds with organic substrates	Vassilios Varsamis	2015	
61	Structure-specific development of insulin enhancement and insulin mimetic action of Cr(III)	Faidra Papailia	2015	
62	Synthesis, isolation and physicochemical characterization of hybrid complexes of Hf(IV) with hydroxycarboxylic substrates	Thomas Blempoutzakakis	2015	
63	Antimicrobial activity investigation of new complex compounds of Bi(III) with organic substrates	Chrysanthi-Maria Moisidou	2015	
64	Synthesis, isolation, structural and physicochemical characterization of water-soluble Cu(II)-compounds with aminophosphonic acids.	Dimitris Moutousidis	2015	
65	Synthesis, isolation, structural and physicochemical characterization of new Pb(II) compounds. Study of the optical properties of new Pb(II)-MOF materials.	Aggelos Vaggelis	2015	
66	Synthesis of binary and ternary Ln-MOF materials with glutaric acid. Structural and physicochemical characterization.	Danae Velliadou	2015	
67	Synthesis, isolation and physicochemical characterization of binary and ternary crystalline materials of zirconium with hydroxycarboxylic acids.	Asimonia Karamelidou	2016	
68	Hybrid catechin silica	Sofia Mermiggi	2016	

	nanoparticle influence on Cu(II) toxicity and synaptic loss in primary neuronal cells.			
69	Aqueous structural speciation in binary systems of boron/thallium-hydroxycarboxylic acids. A synthetic, physicochemical and biological study.	Sevasti Matsia	2016	
70	Synthesis, isolation, structural and spectroscopic characterization of binary and ternary MOF materials of Pb(II) with dicarboxylic acid ligands.	Vasiliki Papailia	2016	
71	Flavonoid encapsulation in novel hybrid surface-modified nanoparticles and study in primary neuronal cultures. Structure-function relationship in handling neurodegeneration processes in Alzheimer disease.	Despoina Eleftheriadou	2016	
72	Structure-specific adipogenetic potential of bioavailable vanadium species in Diabetes mellitus	Konstantina Chachlioutaki	2016	
73	Cytotoxicity studies on a bioavailable copper complex form in Alzheimer neurodegeneration	Konstantinos Aslanidis	2016	
74	Binary Ga(III)-(hydroxy)carboxylic acid systems in aqueous media. Synthetic approaches to biologically relevant systems.	Maria-Nefeli Antonopoulou	2016	
75	Investigation for the antibacterial use of new encapsulated Zinc complexes in silica nanoparticles	Thomas Giannouloupoulos	2016	
76	Adipogenic activity of select zincoforms in Diabetes Mellitus II. Structure function correlations.	Christina Koutra	2016	

Note: Beyond the aforementioned diploma theses, five (5) additional theses are currently ongoing in the lab.

STUDENT PRACTICAL TRAINING SUPERVISION

	Student	Year	Private Company
1	Vassilios Varsamis	2012	Varsamis Dyeing Industry
2	Alexander Lemontzoglou	2014	Novo Nordisk HELLAS Inc.
3	Despoina Eleftheriadou	2015	MODERN ANALYTICS – Marios Maroulis
4	Aphrodite Kapourani	2015	Loufakis Chemicals, Inc.
5	Konstantina Chachlioutaki	2015	Loufakis Chemicals, Inc.
6	Stefania Skandalou	2015	N.C.S.R. Demokritos
7	Gregory Antoniadis	2016	CHIMAR HELLAS A.E. (MARLIT)
8	Konstantina Tsiota	2016	General Chemical State Laboratory (Florina)
9	Nikolaos Raphael Georgiadis	2016	Loufakis Chemicals, Inc.
10	Spyridon Varuktsis	2016	General Chemical State Laboratory (Thessaloniki)

RESEARCH COLLABORATORS IN THE LAB

	Ph.D.	Year	Institution
1	Maria Kapsokefalou	1998-2002	Department of Chemistry University of Crete Heraklion, Greece
2	Kilyen Melinda	2000	Department of Inorganic and Analytical Chemistry, University of Szeged Department of Inorganic and Analytical Chemistry Szeged, Hungary
3	Jancovics Hajnalka	2000	
4	Constantin Mateescu	2005-present	Department of Agrofood Engineering Technology, Banat University of Agricultural Sciences and veterinary Medicine
5	Maria Anagnostopoulou	2009 - 2010	Department of Chemical Engineering, Aristotle University of Thessaloniki
6	Melita Menelaou	2010-2011	Department of Chemical Engineering, Aristotle University of Thessaloniki
7	Catherine Gabriel	2012-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki
8	Christiane Nday	2013-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki
9	Savvas Petanidis	2014-2016	Department of Chemical Engineering,

			Aristotle University of Thessaloniki
10	Efrosini Kioseoglou	2014-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki
11	Eleftherios Halevas	2015-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki

DOCTORAL THESES COMMITTEES (Ph. D.)

	Ph.D. candidate	Year	Institution
1	D. Daphnomili	July 13, 1998	Department of Chemistry University of Crete Heraklion, Greece
2	E. Davoras	December 20, 1999	
3	E. Moschou	February 18, 2000	
4	N. Chronakis	June 30, 2000	
5	G. Tsikalas	December 6, 2002	
6	J. Androulakis	June 18, 2003	
7	M. Kaliva	September 16, 2004	
8	K. Kalogiannis Title: Treatment of two biodegradable polymer and pharmaceutical substances with supercritical fluids.	2006	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
9	C. Polatidis Title: Electrochemical removal of nitrates from aqueous solutions and environmental samples through the use of constant and pulsating potential methods	2007	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
10	S. Chaitidou Three Member Committee Title: Experimental study of the synthesis of molecular imprints of polymeric micro- and nano-particles for the selective recognition of peptides.	2008	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
11	J. Katsounaros Three Member Committee Title: Electrochemical removal of nitrates on cathodic electrodes of group III and IV metals of the periodic table and their alloys.	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

12	C. Gabriel Three Member Committee Title: Synthesis, isolation and physicochemical characterization of compounds between (O,N)-organic substrates and metallotoxins	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
13	M. Menelaou Three Member Committee Title: Structural speciation and fluorescence property studies of organic substrates with toxic metal ions in aqueous and non- aqueous media	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
14	K. Tsiptsias Title: Development of new synthetic materials of biopolymer-bioceramic nature for applications in tissue engineering.	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
15	K. Simeonidis Title: Development of dimetallic magnetic nanoparticles with variable magnetic behavior.	2009	Department of Physics Aristotle University of Thessaloniki, Thessaloniki, Greece
16	P. Panagiotidis Three Member Committee Title: Structural speciation of metal ionic complexes of titanium with physiological substrates	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

	in binary systems with biological applications		
17	C. NDay Three Member Committee Title: Study of the effects of metallotoxins on neurodegenerative disease processes with emphasis on Alzheimer disease.	2009	
18	D. Koutsonikolas Title: Modification of ceramic membranes for the separation of gases and the degradation of gas pollutants in membrane reactors.	2010	
19	S. Papadopoulou Title: Systematic study of factors influencing the protective ability of coatings on ancient civilization monuments.	2010	
20	D. Kavousanaki Title: Study of the chemical composition and technical preparation of glassy objects of the Aegean civilization.	2010	Graduate program “Studies on preservation and restoration of cultural monuments” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
21	D. Nassiopoulou Title: Synthesis and reactivity study of chromenone and pyranose derivatives.	2011	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
22	M. Georgakis Title: Simulation of natural sorption of hydrogen in carbonaceous porous	2012	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

	materials through molecular simulation methods		
23	Mahendra Aryal Title: Removal of inorganic and organic toxic substances from aqueous solutions by microbial processes	2012	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
24	Catherine Mantziaris Title: Investigation of molecular interactions of organosilicon layers through the use of nanotechnology on mineral substrates of the facade of contemporary and historical monuments	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
25	Bill Georgantas Title: Study of the oxidative stress interactions between metallotoxins and amyloid targets in Alzheimer's disease	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
26	Savvas Petanidis Title: Study of the interaction of metal ions with H-ras and K-ras oncogenes. Focusing on the carcinogenic cadmium and the development of anticancer vanadium metallopharmaceuticals.	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
27	Efrosini Kioseoglou Title: Structural speciation of vanado-pharmaceutical materials with insulin mimetic and anticancer drug activity	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
28	Alketa Tarousi Title: Interactions of transition metals with drugs bearing carboxylic acid moieties	2014	Department of Chemistry Aristotle University of Thessaloniki, Thessaloniki, Greece
29	Eleftherios Halevas	2014	Department of Chemical

	Title: Study of metallo-organic materials with antidiabetic properties and molecular hosts of encapsulation, transport and release of metallo-drugs and other micro- and macro-molecular substrates in cellular tissues.		Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
30	Olga Tsave Title: Development of structure-function models of new metallodrugs of vanadium and zinc, based on insulin mimetic molecular markers in Diabetes mellitus II	2016	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
31	Agoritsa Schizodimou Title: Electrochemical reduction of carbon dioxide	2016	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
32	John Kotoulas Title: Electrochemical reactions of industrial interest on metallic electrodes coated with self-organized monolayers of organic compounds	2017	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

HABILITATION THESES COMMITTEES IN INSTITUTIONS OUTSIDE GREECE

	Title	Habilitation candidate	Year	Institution
1	Supramolecular interactions investigated by EPR spectroscopy	Dr. Elena Gabriela Ionita	2014	Romanian Academy “Ilie Murgulescu” Institute of Physical Chemistry

**DOCTORAL THESES COMMITTEES (Ph.D.) IN INSTITUTIONS
OUTSIDE GREECE**

	Title	Ph.D. candidate	Year	Institution
1	Structure and reactivity of silyl-aminoalcohols with complexes of oxovanadium and boron in aqueous media.	Eugene Eugeniou	February 2006	Department of Chemistry, University of Cyprus

**GRADUATE DEGREE THESES (M.Sc.)
COMMITTEES**

	M.Sc. candidate	Year	Place
1	C. Matsingou	October 6, 2000	Department of Chemistry University of Crete Heraklion, Greece
2	L. Gryllos	April 4, 2001	
3	N. Kotsakis	2001	
4	J. Tsikalas	July 3, 2001	
5	J. Androulakis	October 10, 2001	
6	Z. Viskadourakis	November 14, 2001	
7	E. Kefalas	July 1, 2004	
8	A. Mateescu	November 13, 2004	
9	N. Petrakis	November 15, 2004	
10	P. Karakosta	July 7, 2010	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
11	A. Malakopoulos	May 8, 2012	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
12	E. Halevas	June 6, 2012	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
13	Sofia Aggeli	September 22, 2012	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
14	E. Hatzigeorgiou	March 6, 2014	Graduate program “Processes and Technology of

			Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
15	T. Architectonidis	March 6, 2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
16	G. Kotriklas	July 4, 2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
17	S. Sarigolis	July 4, 2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
18	K. Rogotis	February 23, 2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
19	N. Mantzos	August 26, 2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University

			of Thessaloniki Thessaloniki, Greece
20	M. Kafantari	March 6, 2017	Graduate program, Department of Chemical Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
21	H. Foka	March 6, 2017	Graduate program, Department of Chemical Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece

**GRADUATE DEGREE THESES (M.Sc.) COMMITTEES
IN INTER-INSTITUTIONAL GRADUATE DEGREE PROGRAMS**

	M.Sc. title	M.Sc. candidate	Year	Place
1	Synthesis, characterization and study of new complexes, with potential anti-viral activity, of group 11 ions in the periodic table, bearing heterocyclic thioamide ligands.	Panagiotis Zachariadis	2002	Department of Chemistry University of Ioannina Ioannina, Greece
2	Metallic complexes of substrates of biological significance based on inorganic materials.	Alexia Serafeimidis	2002	
3	Study of the mechanism of action of thioamides in the inhibition of the synthesis of thyroid hormones. Design and synthesis of new anti-thyroid drugs.	Ghada J. Corban	2003	

**GRADUATE DEGREE THESES (M.Sc.) COMMITTEES
IN INTER-DEPARTMENTAL GRADUATE DEGREE PROGRAMS**

	M.Sc. title	M.Sc. candidate	Year	Place
1	Investigation of metal ionic effects on mammalian nervous systems. An ex vivo and in vitro study.	Olga Tsave	2015	Department of Biology, Aristotle University of Thessaloniki, Thessaloniki Greece

CITATIONS

Number of citations: 2880

The H-factor is 27

The number of citations per publications stands at 25

Note: The citation search was carried out through **Science Citation Index** of the **ISI Web of Science**.

In this search **no citations** are included for

α) publications and chapters or monographs in textbooks or volumes thereof.

β) publications resulting from presentations in national and international meetings and placed in the Archives of Peer-Reviewed Conferences.

BOOKS AND LECTURE NOTES

1. Synthetic and Structural Studies of Aqueous Vanadium(IV,V) Hydroxycarboxylate Complexes.
A. Salifoglou
In "Vanadium: The Versatile Metal"; Kustin, K.; Pessoa, J. C.; Crans, D. C. (Eds.); American Chemical Society, Washington DC; **2007**, p. 377-390.
2. Laboratory Exercises in Inorganic Chemistry
A. Salifoglou
Korakidis Publications
Thessaloniki **2006**
3. Oxidative Theory in the Pathogenesis of Alzheimer's Disease
A. Salifoglou
In "Senilities: From Genetics to Therapy", M. Tsolaki, Editor
University Studio Press, Thessaloniki, Greece, **2005**
4. Aluminum Metallotherapeutics
A. Salifoglou
in "*Metallotherapeutic Agents*", Marcel Gielen, Edward R. T. Tiekink , Editors
Wiley Interscience, Brussels, **2004**
5. Chemistry Lab I
Department of Chemical Engineering
Aristotle University of Thessaloniki, Thessaloniki, **2004**
6. Chemistry Lab II
Department of Chemical Engineering
Aristotle University of Thessaloniki, Thessaloniki, **2004**
7. Safety in the Chemistry Lab-Rules of Conduct
Department of Chemical Engineering
Aristotle University of Thessaloniki, Thessaloniki, **2004**
8. Inorganic Chemistry I
Department of Chemistry, University of Crete,
Heraklion, **1998**.
9. From the Mass Production of *Methylococcus capsulatus* to the Efficient Separation and isolation of Methane Monooxygenase Proteins.
Characterization of Novel Intermediates in Substrate Reactions of Methane Monooxygenase.
K. E. Liu, A. M. Valentine, D. Wang, B. H. Huynh, D. E. Edmondson, A. Salifoglou, and S. J. Lippard,
in "*Cytotoxic, Mutagenic and Carcinogenic Potential of Heavy Metals, Including Metals Related to Human Environment*", N. Hadjiliadis, Ed. Kluwer Academic Publishers. Netherlands. **1997**, 273-286.

- 10. Inorganic Chemistry II**
Department of Chemistry, University of Crete,
Heraklion, **1997**.

PARTICIPATION IN GRADUATE STUDY PROGRAMS

1. Department of Chemistry 2017-present
 University of Ioannina
Inter-University Graduate Studies Program
 Biological Inorganic Chemistry

2. School of Engineering 2015-present
 Aristotle University of Thessaloniki
Graduate Program
 Department of Chemical Engineering
 Thessaloniki, Greece

3. School of Engineering 2008-present
 Aristotle University of Thessaloniki
 “Processes and Technology of Advanced Materials”
Director of the Graduate Program **2008-2010**
 Interdepartmental Graduate Studies Program
 Thessaloniki, Greece

4. School of Engineering 2005-present
 Aristotle University of Thessaloniki
 “Protection, Maintenance and Renovation of Monuments of Civilization”
 Interdepartmental Graduate Studies Program
 Thessaloniki, Greece

5. Faculty of Chemistry-Biology-Geography 2005-present
 West University of Timisoara
 “The Chemistry of Biologically Active Compounds”
 Timisoara, Romania

6. Department of Chemistry 1998-2012
 University of Ioannina
 “Bioinorganic Chemistry”
 Ioannina, Greece

7. Department of Chemistry 1996-2004
 University of Crete
 “General Graduate Studies Program”
 Heraklion, Greece

8. Department of Chemistry 1998-2004
 University of Crete
 “Synthesis and Isolation of Natural Products with Biological Activity”
 Heraklion, Greece

9. Department of Chemistry 2001-2004
 “Applied Molecular Spectroscopy”

Heraklion, Greece

PARTICIPATION IN RESEARCH NETWORKS

- 1. COST D8 of the European Action Program** 1996-2001
Action D8: Chemistry of metals in medicine (COMM)
Domain: Chemistry and Molecular Sciences and Technologies
Action Title: Chemistry of metals in medicine (COMM)
- 2. COST D21 of the European Action Program** 2001-2006
Action D21: Metalloenzymes and Chemical Biomimetics
Domain: Chemistry and Molecular Sciences and Technologies
Action Title: Metalloenzymes and Chemical Biomimetics
- 3. COST D29 of the European Action Program** 2001-2007
Action D29: Sustainable/Green Chemistry and Chemical Technology
Domain: Chemistry and Molecular Sciences and Technologies
Action Title: Sustainable/Green Chemistry and Chemical Technology
- 4. Hellenic Biomaterials Network (H-Bio-MatNet)** 2006 - present

Principal Co-founder of **H-Bio-MatNet**

The Network was created to a) promote interdisciplinary research involving Sciences, Health Sciences, and Engineering, and b) forge cutting edge technology across scientific barriers in a competitive fashion. The main scientific fields of the thematic Network are biomaterials with specific emphasis on Bioactive Materials, Biomimetics and Tissue Engineering.

Web address: <http://www.biomatnet.gr/>

ORGANIZATION OF CONFERENCES

National Conferences

1. Member of the Scientific Committee
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
2. Member of the Scientific Committee
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
3. Member of the Organizing Committee
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
4. Chairman of the Organizing Committee
"Safety and Health Practices in Foods"
October 24, 1998, Heraklion, Greece

International Conferences

1. Member of the Scientific Committee
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
2. Member of the Scientific Committee
**International Conference of Physical Chemistry
Romphyschem 16**
Romanian Academy of Sciences
September 21-24, 2016, Galati, Romania
3. Member of the Scientific Committee
**New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of symposium with international participation**
Romanian Academy of Sciences
June 9-10, 2016, Timișoara, Romania
4. Member of the Scientific Committee
**New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation**
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania

5. Member of the Scientific Committee
The 6th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 28-29, 2015, Timisoara, Romania
6. Member of the Scientific Committee
Chemistry as a Pillar of Growth in a post-Crisis Era
 12th Greece-Cyprus Chemistry Conference
 May 8-10, 2015, Thessaloniki, Greece
7. Member of the Scientific Committee
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 5-6, 2014, Timisoara, Romania
8. Member of the Scientific Committee
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania
9. Member of the Scientific Committee
International Conference of Physical Chemistry Romphyschem 15
 Romanian Academy of Sciences
 September 11-13, 2013, Bucharest, Romania
10. Academic Team
 Committee of Natural Sciences
Topic: Controlling, financing and promoting medical research on genetics-cloning
SimUnesco (Simulation of UNESCO Corfu) Conference
 Ionian University
 August 21-24, 2013, Corfu, Greece
11. Member of the Scientific Committee
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 13-14, 2013, Timisoara, Romania
12. Member of the Scientific Committee
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
 June 5-9, 2013, Timisoara, Romania

13. Member of the Scientific Committee
The 4th International Conference on Food Chemistry, Engineering & Technology
 May 30-31, 2013, Timișoara, Romania

14. Member of the Scientific Committee
9th Pan–Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece

15. Member of the Scientific Committee
New Trends and Strategies in the Chemistry of Advanced Materials
 November 8-9, 2012, Timisoara, Romania

16. Member of the Organizing Committee
European Biological Inorganic Chemistry 11 (EUROBIC 11) Conference
 September 12-16, 2012, Granada, Spain

17. Member of the International Advisory Committee 2009-present
International Symposium on Applied Bioinorganic Chemistry

18. Member of the Scientific Committee
The 3rd International Conference on Food Chemistry, Engineering & Technology
 May 10-11, 2012, Timișoara, Romania

19. Member of the Scientific Committee
5th International Symposium on New Trends and Strategies in the Chemistry of Advanced Materials
 November 3-4, 2011, Timisoara, Romania

20. Member of the Scientific Committee
The 2nd International Conference on Food Chemistry, Engineering & Technology
 May 19 – 20, 2011, Timișoara, Romania

21. Member of the Organizing Committee
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece

22. Co-Chairman and Organizer
 with Prof. D. Kessissoglou (AUTH) and Prof. N. Hadjiliadis (U. Ioannina)
European Biological Inorganic Chemistry 10 (EUROBIC 10) Conference
 June 22-26, 2010, Thessaloniki, Greece, **2010**

23. Member of the Organizing Scientific Committee
“7th International Conference of Trace Elements in Humans: New Perspectives”

October 13-15, 2009, Athens, Greece

24. Member of the Organizing Scientific Committee
“Food Sciences, Processes and Technologies. Trends in Food Safety and Processing”
May 27-29, 2009, Timisoara, Romania
25. International Organizing Committee
European Biological Inorganic Chemistry 9 (EUROBIC 9) Conference
September 2-6, 2008
Wroclaw, Poland
26. Member of the Organizing Board
“Trends In Food Safety and Processing”
May 17-18, 2007, Timisoara, Romania
27. Member of the Organizing Board
“New Trends In Food Safety and Food Technologies”
May 25-26, 2006, Timisoara, Romania
28. Co-organizer
COST D21/009/01 WG Meeting
“Insulin mimetic vanadium compounds”
October 1-2, 2005, Thessaloniki, Greece
29. Member of the Organizing Board
SAFE FOOD ALL OVER EUROPE
“Agroalimentary Science, Process and Technology”
May 26-27, 2005, Timisoara, Romania
30. Member of the Organizing Board
“Agroalimentary Science, Process and Technology”
May 20-21, 2004, Timisoara, Romania

Appearance on Mass-Media

1. ET3 TV

Electra palace Hotel Press Conference

October 12, 2011, Thessaloniki, Greece

Title of the Presentation “Diagnostic Challenges in Alzheimer’s dementia”

The purpose was to

- a) present the work carried out at the Laboratory of Inorganic Chemistry at the Chemical Engineering Department of Aristotle University of Thessaloniki on Alzheimer’s disease fundamental processes linked to neurodegeneration
- b) emphasize the links among seven research groups at Aristotle University of Thessaloniki, all striving to provide solutions to problems linked to Alzheimer’s disease
- c) raise awareness on the specificity of goals of the collective research efforts targeting key issues in neurodegeneration and the associated dementia in Alzheimer disease.

- d) project the short and long term goals of the collective research covering a plethora of scientific approaches and strategies, all converging to solutions to hot problems in Alzheimer's disease through multidisciplinary research at Aristotle University of Thessaloniki
- e) exhibit tangible efforts that emphasize the importance of work linking the University with the Community in Thessaloniki and the country.

2. 3E TV

Chairman of the Organizing Committee Eurobic10 Conference

June 22-26, 2010, Thessaloniki, Greece

The purpose was to

- a) present the scope and goals of the Eurobic10 Conference in Greece
- b) emphasize the importance of metal ions in life processes and abiotic systems, with wide applications in research, industry, pharmaceuticals and medicine
- c) raise awareness on the significance of metal ions in environmental and biological toxicity as well as their therapeutic potential in treating chronic and severe diseases, thereby improving the quality of life and saving the lives of people
- d) denote the importance of metal ions in everyday life and science through which research can generate technological advancements for the improvement of life threatening diseases, while concurrently strengthen the biological as well as abiotic-biological hybrid metal ionic arsenal in supporting nutritional standards for the improvement of the quality of life on the entire planet.

3. Realitata TV

March 24, 2007, Timisoara, Romania

The purpose was to

- a) promote collaborative scientific endeavors at the bilateral international level between Aristotle University Engineering Departments and their Romanian counterparts targeting cutting edge technology projects at a competitive level leading to applications in materials and Health Industry
- b) emphasize the significance of interdisciplinary multilateral scientific collaboration thereby establishing a network of activities and researchers collectively pursuing high level research in the Balkan Area and the European level.

4. Crete TV – FM 104

Chairman of the Organizing Committee

“Safety and Health Practices in Foods”

October 24, 1998, Heraklion, Greece

The purpose was to

- a) publicize the importance of and promote the upcoming Conference to the Society (Science and non-Scientists)
- b) denote the essence of the fundamental sciences in achieving high quality standards (HASSP) commensurate with the safety and health guidelines of the Food Technology Industries.
- c) raise awareness and educate the public on the significance of flow of information on Food Safety and Health related issues from the scientific world to the contemporary society and consumers.

RESEARCH GRANTS

- | | |
|---|---------------------------------|
| 1. Synthesis and Biological Activity of V-Fe-S complexes
Relevant to the active site center in alternative nitrogenases
Research Committee of the University of Crete
Principal Investigator | 1997-1998

4,950,000 Dr. |
| 2. Technology and Production of Olive Oil and Wine in Crete
DIAVLOS Program
General Secretariat of Research and Technology
Principal Investigator | 1997-1998

650,000 Dr. |
| 3. The role of carcinogenic metals in the interaction of
VTR _{HRAS1} with transcriptional regulators
Research Committee of the University of Crete
Principal Investigator | 1999-2001

2,000,000 Dr. |
| 4. Vanadium complexes. Synthesis and Biological Activity
Research Committee of the University of Crete
Principal Investigator | 1999-2001

2,300,000 Dr. |
| 5. The role of aluminum and iron metal ions
In the formation of amyloid plaques in Alzheimer's disease
General Secretariat of Research and Technology, EPET II
Principal Investigator | 1999-2001

32,000,000 Dr. |
| 6. Metal Dependent oxidative Damage of β -Amyloid Peptides
Related to Alzheimer's Disease
CRG Grant
NATO- Principal Investigator | 1997-1999

2,100,000 Dr. |
| 7. Undergraduate Study Programs and University Textbooks
Ministry of Education and Religious Affairs
EPEAEK- Principal Investigator | 1997-1999

66,500,000 Dr. |
| 8. Evaluation of AEI Educational Work
Ministry of Education and Religious Affairs
EPEAEK- Principal Co-Investigator | 1999

9,000,000 Dr. |
| 9. Novel Bioinorganic Chemistry of Aluminum ...in Continuous
Ambulatory Peritoneal Dialysis Patients
General Secretariat of Research and Technology
Bilateral Collaboration with Slovenia
Principal Investigator | 1998-2000

2,730,000 Dr. |
| 10. Center for Distribution and Education for the Crystallographic
Data Base "Cambridge Structural Database System (CSDS)".
Research Committee of the University of Crete
Principal Investigator for the entire University Community | 1997-2001 |

In Greece	1,800,000 Dr.
11. EPEAEK Graduate Studies Program	1998-2003
Department of Chemistry – University of Crete	
“Synthesis and Isolation of Natural Products with Biological Activity”	
Participant Faculty Member	
Amount of Grant 1998-2000:	348,000,000 Dr.
Amount of Grant 2000-2001:	22,000,000 Dr.
Amount of Grant 2001-2003 (EKT and ETPA):	112,000 Euros
12. EPEAEK Graduate Studies Program	2001-2003
Department of Chemistry – University of Crete	
“Applied Molecular Spectroscopy”	
Participant Faculty Member	
Amount of Grant 2001-2003 (EKT and ETPA):	240,000 Euros
13. EPEAEK Graduate Studies Program	1998-2003
Department of Chemistry – University of Crete	
“Bioinorganic Chemistry”	
Participant Faculty Member	
Amount of Grant 1998-2000:	321,266,000 Dr.
Amount of Grant 2000-2001:	22,000,000 Dr.
Amount of Grant (EKT and ETIIA):	288,000 Euros
14. “Synthesis, Structure, Physical Properties, Solution Speciation ... of Potentially Insulin-Mimetic Vanadium Compounds”	
Cost D8-0022-97 Program of the European Union	1997-2001
Cost D21-0009-01 Program of the European Union	2001-2003
Partner Investigator	
Amount of Grant:	max 50,000 €/investigator
Coverage: α) Transportation, Room and Board, and Experimental Expenses of Graduate Students in Participating D21 Labs	
β) Transportation to D21 Conferences and Working Group Meetings	
15. Aluminum Neurotoxicology: an Interdisciplinary approach to the study of the metal speciation in chemistry and Biology	
Cost D8-0014-97 Program of the European Union	1998-2001
Partner Investigator	
Amount of Grant:	max 50,000 €/investigator
Coverage: α) Transportation, Room and Board, and Experimental Expenses of Graduate Students in Participating D8 Labs	
β) Transportation to D8 Conferences and Working Group Meetings	
16. Aluminum dicarboxylic and aminophosphonic acid complex aqueous chemistry relevant to Alzheimer's disease	2001- 2003
General Secretariat of Research and Technology	

Bilateral Collaboration between Romania and Greece Principal Investigator	4,900,000 Dr.
17. Cost Action D29 of the European Union: Sustainable/Green Chemistry and Chemical Technology Action Title: Sustainable/Green Chemistry and Chemical Technology Domain: Chemistry and Molecular Sciences and Technologies Partner Investigator Amount of Grant: max 50,000 €/investigator Coverage: a) Transportation, Room and Board, and Experimental Expenses of Graduate Students in Participating D8 Labs b) Transportation to D29 Conferences and Working Group Meetings c) Short Term Scientific Missions (1,200 € per student per STSM)	2001-2007
18. Aqueous Al(III)-phosphonate species relevant to the interactions of neurotoxic Al(III) with the aberrant hyperphosphorylated protein τ (tau) in the neurofibrillary tangles of Alzheimer's disease. General Secretariat of Research and Technology Bilateral Collaboration between Romania and Greece Principal Investigator	2004-2007 12,191 €
19. EPEAEK Undergraduate Program "Upgrading of Undergraduate Studies Program" Principal Investigator from 2003 up to transfer to AUTH (EKT and ETIIA)	2003-2006 310,000 €
20. Synthetic, spectroscopic and structural studies in the speciation Of insulin mimetic vanadium in the presence of physiological and biomimetic substrates in aqueous media Heraklitos Program: Research Scholarships with Priority given to Basic Research Principal Investigator	2003-2005 34,000 €
21. Fluorescence sensors of heavy metal ions with new selective fluorescence ligands Synthesis, physicochemical characterization and applications of complexes between heavy metal ions with new selective fluorimetric substrates Pythagoras Program: Support of University Research Groups Principal Investigator	2004-2007 50,000 €
22. Study and development of toxic metal ion fluorescence sensors in the environment through the use of HPLC-PCD chromatography PENED Program 2003 Principal Investigator	2005-2008 165,000 €

- | | |
|--|----------------------------|
| <p>23. Study of the interaction of biotoxic metal ions with minisatellite 2010-2013
 DNA and consequences on the transcriptional regulation of the H-Ras
 oncogene
 Heraklitos II: Support of human research capital through
 implementation of doctoral research
 Principal Investigator</p> | 50,000 € |
| <p>24. New Developments of Chemical Engineering in Functional Materials
 and Cutting Edge Technologies for the Development of Advanced
 Materials and Services
 Principal Investigator</p> | 2012-2016

450,000 € |
| <p>25. Advanced Materials for Mercury Removal (MerCap)
 Partner Investigator</p> | 2012-2015
600,000 € |

ACTIVE COLLABORATION WITH OTHER LABS

1. “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy of Sciences, 125 Calea Victoriei, Sector 1, Bucharest, RO-010071, Romania
Collaborators: Elena Gabriella Ionita
2. Department of Chemistry, University of Bucharest, Panduri 90-92, Bucharest 050663, Romania
Collaborators: Petre Ionita
3. Institute of Materials Science, NRCPS “Demokritos”, Aghia Paraskevi 15310, Attiki, Greece.
Collaborators: A. Terzis, C. P. Raptopoulou, V. Psycharis
4. Institut für Experimentelle Physik II, Universität Leipzig, Leipzig 04103, Germany.
Collaborators: M. Bertmer
5. Diabetes Center, AHEPA Hospital, First Department of Medicine, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece
Collaborators: J.G. Yovos, M.P. Yavropoulou
6. Institute of Organic and Pharmaceutical Chemistry, National Hellenic Research Foundation, Athens 11635, Greece.
Collaborators: M. Zervou
7. Institute of Organic and Pharmaceutical Chemistry, National Hellenic Research Foundation, Athens 11635, Greece.
Collaborators: T. Mavromoustakos
8. Department of Materials Science, University of Patras, Patras 26500, Greece.
Collaborators: V. Tangoulis
9. Department of Inorganic and Analytical Chemistry, University of Szeged, Szeged, H-6720, Hungary.
Collaborators: T. Kiss, T. Jakusch
10. Department of Physical Chemistry, University of Kossuth, Debrecen, H-6720, Hungary.
Collaborators: Istvan Banyai
11. Biophysics Research Division, University of Michigan, Ann Arbor, MI 48109, U.S.A.
Collaborators: R. Dunham, N. Moon
12. Department of Inorganic and Analytical Chemistry, The Hebrew University of Jerusalem, 91904 Jerusalem, Israel.
Collaborators: N. Karligiano, A. Bino
13. Division of Chemistry, Josef Stefan Institute, Ljubljana, Slovenia.
Collaborators: J. Scancar, R. Milacic

- 14.** Department of Medicine, Division of Basic Sciences, University of Crete, Heraklion 71409, Greece.
Collaborators: V. Zannis, D. Kardasis
- 15.** CNR Unit on Metalloproteins, Dept. of Biology, University of Padova, Viale Trieste 75, 35131 Padova – Italy.
Collaborators: P. Zatta
- 16.** Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA.
Collaborators: C. L. Cooney, J.-F. Hamel
- 17.** Department of Chemistry, University of Missouri, Rolla, Missouri, USA.
Collaborators: P. Stavropoulos
- 18.** Foundation for Research and Technology Hellas (FORTH), Institute of Chemical Engineering and High Temperature Chemical Processes (ICE/HT), Patras 26500, Greece.
Collaborators: G. Voyiatzis
- 19.** Institute of Electronic Structure and Laser, Foundation for Research and Technology Hellas, 71110 Heraklion, Greece.
Collaborators: J. Giapintzakis
- 20.** Faculty of Food Processing Technology, Banat University of Agricultural and Veterinary Medicine, 119 Calea Aradului, Timisoara 300645, Romania
Collaborators: C. Mateescu
- 21.** Department of Chemistry, University of Puerto Rico, San Juan, PR 00931-3346, USA
Collaborators: R. Raptis
- 22.** Department of Chemistry, Juniata College, Huntingdon, PA 16652, USA.
Collaborators: P. Baran
- 23.** Lab. of Histology-Embryology and Anthropology, Faculty of Medicine, Aristotle University of Thessaloniki, Thessaloniki, Greece
Collaborators: Elpida-Niki Emmanouil-Nikoloussi
- 24.** Faculty of Chemistry, Biology and Geography, West University of Timisoara, Timisoara, Romania
Collaborator: Vasile Ostafe
- 25.** Faculty of Chemistry, University of Wroclaw, F. Joliot-Curie 14, 50-383 Wrocław, Poland
Collaborators: H. Kozlowski
- 26.** Section of Sciences, Academy of Sciences of Romania, Bucharest, Romania
Collaborators: Academician E. Sahini, Prof. S. Ionescu
- 27.** Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Bucharest, Romania

Collaborators: C. Guran

28. National Research & Development Institute for Electrochemistry and Condensed Matter, (INCEMC Timisoara), Department of Condensed Matter, Timisoara, Romania.

Collaborators: Adina Segneanu and Ioan Grozescu

29. Laboratoire de Chimie de Coordination du CNRS, 205 route de Narbonne, 31077
Toulouse Cedex, France

Collaborator: J.-P. Tuchagues

PUBLICATIONS-PRESENTATION OF RESEARCH ACTIVITIES

Invited and Plenary Lectures

International Meetings – Institutes - Universities

Papers Presented and Published in the Archives of International Conferences

1. “Etiopathogenesis and molecular biomarkers in diagnosis and neuroprotection in Alzheimer’s disease”
Session Lecture
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
2. “Structural diversity in the development of binary-ternary Pb(II)-dicarboxylic acid lattices. Correlation with photoactivity.”
Session Lecture
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
3. “Structural speciation and structure-property correlations in binary-ternary coordination polymers Pb(II) with di-/tricarboxylic acids”
Plenary Lecture
International Conference of Physical Chemistry
Romphyschem 16
Romanian Academy of Sciences
September 21-24, 2016, Galati, Romania
4. “Metal Specific Insulin Mimesis in Adipogenesis. A Molecular Approach.”
Session Lecture
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
5. “A bioinorganic approach to chromium adipogenesis. synthetic and molecular biological insight toward diabetes mellitus ii”
Invited Lecture
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
6. “Chromium as an insulin enhancer with emphasis in adipogenesis.”
Invited Lecture
Research Institute of the West University of Timisoara
West University of Timisoara
March 31, 2016, Timisoara, Romania
7. “The advent of biological insight into metallotoxin induced oxidative stress in Alzheimer's neurodegeneration”

Invited Lecture

University of Pitesti
Faculty of Sciences
September 17, 2015, Pitesti, Romania

8. “Probing the diverse lattice-spectrochemical correlation of binary and ternary systems of Pb(II) with (hydroxy)carboxylic acids”

Invited Lecture

University of Bucharest
Department of Chemistry
September 15, 2015, Romania

9. “Synthetic approaches to understanding oxidative stress contributions from metallotoxins to neurodegenerative processes.”

Invited Lecture

Romanian Academy
Institutul de Chimie Fizica “Ilie G. Murgulescu”
September 14, 2015, Romania

10. “Mercury: An environmental metallotoxin from lignite industry in research and development of remediation technologies”

Invited Lecture

“Advanced Materials for Mercury Removal”
Aristotle University of Thessaloniki
June 30, 2015, Thessaloniki, Greece

11. “Vanadium metallodrugs in cancer therapeutics. A molecular approach”

Invited Lecture

International Symposium On Metal Complexes (ISMEC2015)
University of Wroclaw
June 24-28, 2015, Wrocław, Poland

12. “Zinc metallobiology in diabetes mellitus II. An interdisciplinary approach”

Plenary Lecture

New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania

13. “Vanadium in adipocyte cell differentiation. Biotechnological advances in physiology and disease”

Plenary Lecture

The 6th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timisoara
May 28-29, 2015, Timisoara, Romania

14. “Diagnosis and protection (nano)technologies in Alzheimer’s neurodegeneration”
Invited Lecture
9th Panhellenic Conference on Alzheimer’s Disease & 1st Mediterranean on Neurodegenerative Diseases
 May 14-17, 2015, Thessaloniki, Greece

15. “Nano-flavonoid use against metal-induced neurodegenerative processes in Alzheimer’s disease”
Invited Lecture
 E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
9th Panhellenic Conference on Alzheimer’s Disease & 1st Mediterranean on Neurodegenerative Diseases
 May 14-17, 2015, Thessaloniki, Greece

16. “The Bioinorganic chemistry of vanadium in the fight against cancer”
Plenary Lecture
12th Greece-Cyprus Chemistry Conference
 May 8-10, 2015, Thessaloniki, Greece

17. “Autophagy in vanadium anticancer metallodrugs.”
Invited Lecture
 Research Institute of the West University of Timisoara
 West University of Timisoara
 March 19, 2015, Timisoara, Romania

18. “The chemistry and mechanistic biology of vanadium as an anticancer agent”
Invited Lecture
12th European Biological Inorganic Chemistry Conference (Eurobic 12)
 University of Zürich
 August 24-28, 2014, Zürich, Switzerland

19. “Structure lattice-dimensionality correlations in novel binary and ternary materials of group 13 elements with benzoic acid and phenanthroline”
Plenary Lecture
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 5-6, 2014, Timișoara, Romania

20. “The rise and fall of copper as a neurometallotoxin in degeneration”
Plenary Lecture
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 29-30, 2014, Timisoara, Romania

21. "New trends in nanotechnology linked to antioxidant power in live organisms and food stuffs"
Plenary Lecture
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania

22. "The interplay of ras oncogenes and immune suppressor genes in colorectal cancer."
Invited Lecture
 Research Institute of the West University of Timisoara
 West University of Timisoara
 March 14, 2014, Timisoara, Romania

23. "Development of vanadodrugs in cancer therapeutics. An interdisciplinary challenge."
Plenary Lecture
International Conference of Physical Chemistry
Romphyschem 15
 Romanian Academy of Sciences
 September 11-13, 2013, Bucharest, Romania

24. "Vanadodrugs as antitumor agents. The chemistry and in vitro biology of novel vanado-peroxido-betaine species."
Keynote Lecture
International Conference on BioInorganic Chemistry ICBIC 16
 July 22-26, 2013, Grenoble, France

25. "Technological Advancements in the Design of Antitumorigenic Vanadodrugs"
Plenary Lecture
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 June 13-14, 2013, Timișoara, Romania

26. "The Chemistry and Biology of Engineering Anticancer Metallodrugs"
Plenary Lecture
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
 June 5-9, 2013, Timișoara, Romania

27. "Molecular approaches to the development of diagnostic technology in Alzheimer's disease"
Plenary Lecture
The 4th International Conference on Food Chemistry, Engineering & Technology

Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timișoara, Romania

28. "Design of Lead(II) metal organic framework materials with distinct architecture and chemical reactivity"

Invited Lecture

National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC)
May 28, 2013, Timisoara, Romania

29. "Developing metallodrugs in cancer therapy. Design, synthesis and biological studies of vanadodrugs."

Invited Lecture

Research Institute of the West University of Timisoara
West University of Timisoara
March 21, 2013, Timisoara, Romania

30. "Metal-induced oxidative damage in the neurodegeneration process of Alzheimer's disease. Molecules of natural origin in the neuroprotection and development of diagnostic biomarkers."

Invited Lecture

8^o Panhellenic Conference of Alzheimer's Disease
February 28-March 3, 2013, Thessaloniki, Greece

31. "Investigation of the oxidative stress of natural copper species in Alzheimer's disease. Molecular interactions and neuroprotection."

Invited Lecture

Tsave O., Salifoglou A.
8^o Panhellenic Conference of Alzheimer's Disease
February 28-March 3, 2013, Thessaloniki, Greece

32. "Lead(II) as a template for the design, assembly, and lattice architecture of binary and ternary metal organic framework compounds of variable dimensionality and chemical reactivity"

Plenary Lecture

New Trends and Strategies in the Chemistry of Advanced Materials
November 8-9, 2012, Timisoara, Romania

33. "Molecular Approaches to Insulin Mimetic Vanadium Drugs"

Plenary Lecture

XXXII Romanian Chemistry Conference
October 3-5, 2012, Calimanesti-Caciulata, Valcea, Romania

34. "The diverse bioinorganic chemistry in the aqueous structural speciation of ternary systems of V(V) with amino acids/betaines and hydrogen peroxide"

Keynote Lecture

European Biological Inorganic Chemistry 11 (EUROBIC 11) Conference
September 12-16, 2012, Granada, Spain

35. "Building 1D-3D lattice structures through targeted binary and ternary interactions in Pb(II)-carboxylate systems. A rational approach to new architectures"
Invited Lecture
 Institute of Physical Chemistry "Ilie G. Murgulescu"
 Romanian Academy of Sciences
 June 21, 2012, Bucharest, Romania

36. "The chemistry and toxicity of cadmium at the molecular level. A treatise at the chemical and genetic level."
Invited Lecture
 Department of Chemistry
 University of Bucharest
 June 19, 2012, Bucharest, Romania

37. "The prospect of an innovative M.Sc. Program in Agroalimentary Engineering in Romania. The Foundations of a collaborative venture between Academia and Industry."
Invited Lecture
Workshop on the "M.Sc. Program Development in the Field of Alimentary Production Engineering and Agricultural Economics."
 May 11, 2012, Timișoara, Romania

38. "The influence of the environmental metallotoxin Al(III) on neuronal cell structures linked to neurodegeneration"
Plenary Lecture
The 3rd International Conference on Food Chemistry, Engineering & Technology
 May 10-11, 2012, Timișoara, Romania

39. "Toward delineation of interactions of biotoxic cadmium with the H-Ras oncogene in carcinogenesis."
Invited Lecture
Institute of Chemistry of the Romanian Academy of Science
 May 8, 2012, Timisoara, Romania

40. "Advancements of Aqueous Binary and Ternary Vanadium Chemistry with Physiological Substrates in Insulin Mimesis"
Invited Lecture
12th Eurasia Conference on Chemical Sciences
 April 16-21, 2012, Corfu, Greece.

41. "Growth in a time of crisis at the University. A feeble dream or reality"
Invited Lecture
 West University of Timisoara
 March 22, 2012, Timisoara, Romania

42. “Investigation of neurodegenerative processes geared toward neuroprotection in Alzheimer’s disease. Potential development of protective technologies.”
Plenary Lecture
Inorganic and Bioinorganic Chemistry
21^o Pan-Hellenic Conference in Chemistry
 December 9-12, 2011, Thessaloniki, Greece
43. “Heterogeneity in the etiopathogenesis of neurodegeneration in Alzheimer’s disease”
Invited Lecture
Institute of Neurodegenerative Diseases and Greek Association of Alzheimer's Disease and Related Disorders
Tele-education on issues of Dementia for Health Professionals
 November 14, 2011, Thessaloniki, Greece
44. “Making strides in the pathogenesis of neurodegenerative diseases. The case of metallo-induced neurodegenerative death in Alzheimer”
Invited Lecture
Institute of Physical Chemistry “Ilie Murgulescu”
Romanian Academy of Sciences
 November 4, 2011, Bucharest, Romania
45. “The extraordinary versatility of the ternary vanadium-peroxo-organic acid chemistry and its biological potential”
Plenary Lecture
New Trends and Strategies in the Chemistry of Advanced Materials
Institute of Chemistry of the Romanian Academy of Science
 November 3-4, 2011, Timisoara, Romania
46. “Comprehending fundamental processes in neurodegeneration. From the early stages to Alzheimer’s disease”
Invited Presentation
Greek Association of Alzheimer's Disease and Related Disorders
 Electra Palace Hotel
 October 12, 2011, Thessaloniki, Greece
47. “Diagnostic challenges in the early stages of dementia in Alzheimer’s disease.”
Invited Lecture
Institute of Neurodegenerative Diseases and Greek Association of Alzheimer's Disease and Related Disorders
Tele-education on issues of Dementia for Health Professionals
 September 22, 2011, Thessaloniki, Greece
48. “Aqueous insulin mimetic vanadium chemistry with physiological substrates at the binary and ternary level.”
Invited Lecture
Workshop on “Metal Containing Drugs”
Meeting of the Inorganic Chemistry Committee of the Szeged Branch of the Hungarian Chemical Society.

University of Szeged
August 30-31, 2011, Szeged, Hungary

49. “The influence of biotoxic Al(III) on the function of NMDA and VDCC channels of neuronal hippocampal cells. From neurotoxicity to neuroprotection technologies.”

Plenary Lecture

Timisoara's Academic Days, XII Edition
Institute of Chemistry of the Romanian Academy of Science
May 26-27, 2011, Timisoara, Romania

50. “The chemistry of vanadium with amino acids and their derivatives. relevance to health and disease”

Plenary Lecture

The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

51. “From Vision to Innovation. Strategy in a Time of Crisis”

Invited Lecture

Department of Chemistry-Biology-Geography
West University of Timisoara
March 17, 2011, Timisoara, Romania

52. “The influence of biotoxic aluminum on the neurodegenerative action of the A β amyloid peptide. An in vitro approach to the synergy of two toxins involved in Alzheimer's degeneration”

Plenary Lecture

7th National Conference in Alzheimer's Disease and Related Disorders
February 16-20, 2011, Thessaloniki, Greece

53. “In Search of Rational Approaches to the Chemistry of Advanced Materials”

Plenary Lecture

New Trends and Strategies in the Chemistry of Advanced Materials
November 4-5, 2010, Timisoara, Romania

54. “From Etiopathogenesis to Diagnosis and Therapy in Alzheimer's Disease: Research and Merit of Technological Applications”

Invited Lecture

Institute of Neurodegenerative Diseases and Greek Association of Alzheimer's Disease and Related Disorders
Tele-education on issues of Dementia for Health Professionals
October 11, 2010, Thessaloniki, Greece

55. “The Aqueous Chemistry of Binary and Ternary Co(II)-carboxylate Systems. From Small Molecules to Extended Solid-State Lattices.”

Invited Lecture

National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC)

June 1, 2010, Timisoara, Romania

56. “A Structural Speciation Strategy Toward Understanding the Chemistry of Cadmium Molecular Toxicity.”
Invited Lecture
Institute of Chemistry of the Romanian Academy of Science
June 2, 2010, Timisoara, Romania
57. “Iron in Plants. A Structural Speciation Approach to Nature’s Biology”
Plenary Lecture
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
58. “In search of molecular etiopathological factors in neurodegenerative processes. Metallotoxin effects on NMDA and VDCC channels in hippocampal cells”
Invited Lecture
25th International Conference of Alzheimer’s Disease International (ADI)
March 10-13, 2010, Thessaloniki, Greece.
59. “Structural Speciation and Biological Activity of Binary and Ternary Compounds of Insulin Mimetic Vanadium with physiological Substrates”
Plenary Lecture
7th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2009, Athens, Greece.
60. “The Complex Aqueous Chemistry of Al(III) in Binary Systems Involving Biologically Relevant Substrates. Relevance to Toxicity”
Session Lecture
10th International Symposium on Applied Bioinorganic Chemistry ISABC 10
25 - 28 September, 2009, Debrecen, Hungary.
61. “The Molecular Basis of Metallopharmaceutical Technologies in Diabetes Mellitus II”
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
62. “The Neurobioinorganic Chemistry of Alzheimer’s Disease”
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
63. “Synthetic Investigation and Biological Exploration of insulin Mimetic Vanadium Complexes with Physiological Substrates”
Plenary Lecture
Timisoara’s Academic Days – XI Edition
Chemistry Symposium
Institute of Chemistry of the Romanian Academy of Science

May 28-29, 2009, Timisoara, Romania

64. “Structural Speciation in the Binary System of Cd(II) with Hydroxycarboxylate Substrates”
Plenary Lecture
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
Banat’s University of Agricultural Sciences and Veterinary Medicine
Faculty of Food Processing Technology
May 27-29, 2009, Timisoara, Romania
65. “Metal Ions in Subcellular Communication. Influence on Cellular Physiology and Pathology”
Invited Lecture
Romanian Academy of Sciences
Timisoara
April 2, 2009, Timisoara, Romania
66. “Structural Speciation Studies in Binary Aqueous Al(III) Systems of Relevance to Neurodegenerative Disease”
Invited Lecture
The Eighth Keele Meeting on Aluminium
21-25 February, 2009, Trest, Czech Republic
67. “Graduate Programs and Multidisciplinary Fields”
Invited Lecture
Department of Physics
Aristotle University of Thessaloniki
November 26, 2008, Thessaloniki, Greece
68. “Understanding the Interwoven Chemistry and Biology of Risk Factors at the Molecular and Neurocellular Level in Alzheimer’s Disease”
Plenary Lecture
International Conference of Physical Chemistry, ROMPHYSICHEM13 Conference
September 3-8, 2008, Bucharest, Romania
69. “New Ternary and Binary Species in the Structural Speciation of Insulin Mimetic Vanadium(V) in the Presence of the Physiological Citrate and Hydrogen Peroxide”
Invited Lecture
6th International Vanadium Symposium
July 17-19, 2008, Lisbon, Portugal
70. “The Importance of Plant Substrates in Interactions with the Bioessential Metal Ion Co(II) ”
Plenary Lecture
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania

71. “Aqueous Ni(II)-Phosphonate Chemistry of Biological Sciences”
M. Menelaou, M. Dakanali, A. Salifoglou
Invited Lecture
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania

72. “Chromium Hydroxycarboxylate Chemistry of Bioinorganic Significance”
Invited Lecture
Romanian Academy of Sciences
Timisoara
May 13, 2008, Timisoara, Romania

73. “Molecular Aspects of Chromium Toxicity. From Aqueous Solution Chemistry to Synthetic Species”
Invited Lecture
Department of Chemistry, Biology and Geography
West University of Timisoara
March 31, 2008, Timisoara, Romania

74. “The Research Puzzle of the Neurodegenerative Alzheimer’s Disease. Key words colored by Basic Science and Technology”
Invited Lecture
Lyceum
Arsakion School of Thessaloniki
March 18, 2008, Thessaloniki, Greece

75. "Metal Biototoxicity and Oxidative Stress in Neurodegeneration. The Case of Alzheimer's Disease"
Invited Lecture
National Hellenic Research Foundation
Institute of Organic & Pharmaceutical Chemistry
March 11, 2008, Athens, Greece

76. “Advances in Insulin Mimetic Chemistry of Vanadium with Low Molecular Mass Physiological Substrates”
Invited Lecture
2nd European Conference on Chemistry for Life Sciences
September 4-8, 2007, Wrocław, Poland

77. “Delineating the Structural Speciation of Insulin Mimetic Vanadium with Physiological Ligands”
Invited Lecture
FIGIPAS 9 Meeting in Inorganic Chemistry
July 4-7, 2007, Vienna, Austria

78. “Unravelling the structural speciation of aqueous binary Cr(III)-hydroxycarboxylate systems”

Invited Lecture

Second North America-Greece-Cyprus Workshop on Paramagnetic Materials
June 18-21, 2007, Ermoupolis, Syros, Greece

79. “Soluble and Potentially Bioavailable Fe(III) Species in Plants. A Structural Speciation Approach”

Plenary Lecture

Romanian Academy
Timisoara's Academic Days, Xth Edition
Section Chemistry
May, 24-25, 2007, Timisoara, Romania

80. “Molecular Aspects of Chromium Toxicity. Chemistry of Binary Systems in Relevance to Food and Biosystems”

Plenary Lecture

Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

81. “Structural Speciation of Titanium with Low Molecular Mass Physiological Substrates”

Invited Lecture

Department of Inorganic and Analytical Chemistry
University of Szeged
May 8, 2007, Timisoara, Romania

82. “Metalloneurotoxicity in the Etiopathogenesis of Alzheimer's Disease”

Plenary Lecture

9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

83. “Metal Ions and Oxidative Stress in Alzheimer's Neurodegeneration”

Invited Lecture

University Politehnica of Bucharest
Faculty of Applied Chemistry and Materials Science
March 20, 2007, Bucharest, Romania

84. “Development of Aqueous Vanadium Chemistry Targeting Insulin Mimetic Drugs”

Invited Lecture

Department of Chemistry, Biology and Geography
West University of Timisoara
March 8, 2007, Timisoara, Romania

85. “Iron Mobilization and Utilization in the Formation of Dinuclear and Tetranuclear Fe-S Proteins”

Invited Lecture

Department of Chemistry, Biology and Geography
West University of Timisoara
March 7, 2007, Timisoara, Romania

86. "Oxidative and Antioxidant Chemistry in the Development of Technology"
Invited Lecture
 Department of Chemical Engineering
 Ege University
 March 1, 2007, Izmir, Turkey

87. "Neurotoxic Metal Ions and Oxidative Stress in Alzheimer's Disease"
Invited Lecture
 "Oxidative Stress and Dementia"
5th National Conference in Alzheimer's Disease and Related Disorders
 February 22-25, 2007, Thessaloniki, Greece

88. "Environmental Chemosensor Technology on Metallotoxins"
Invited Lecture
SEE-ERA.NET Scientific Conference on "Environmental Technologies"
 6-8 February, 2007, Pržno, Montenegro

89. "Synthetic and structural studies of aqueous vanadium(IV,V) hydroxycarboxylate compounds"
Invited Lecture
232nd Meeting of the American Chemical Society
The 5th International Symposium on the Chemistry and Biological Chemistry of Vanadium
 September 10-14, 2006, San Francisco, California, U.S.A.

90. "Fundamental chemical processes of the etiopathogenesis in Alzheimer's disease from small molecule to large biomolecule participation"
Plenary Lecture
International Conference on Physical Chemistry
Romphyschem-12
and 5th Annual COSENT Meeting
 September 6 - 8, 2006, Bucharest - Romania

91. "Aqueous synthetic endeavors in insulin mimetic vanadium chemistry"
Invited Lecture
8th European Biological Inorganic Chemistry Conference
Eurobic 8
 July 2-6, 2006, Aveiro, Portugal.

92. "The challenging intrigue of the multifaceted aqueous chemistry of vanadium with hydroxycarboxylic acids"
Invited Lecture
COST Chemistry D21
Final Workshop on "Metalloenzymes and Chemical Biomimetics"
 Katholieke Universiteit Leuven
 May 25-28, 2006, Leuven, Belgium

93. “Discovering the Connections of the Aqueous Chemistry of Ti(IV) to Cellular Biochemistry. Relevance to Food and Health”
Invited Lecture
New Trends in Food Safety and Food Technology
 May 25-26, 2006, Timisoara, Romania

94. “Synthetic Inorganic Chemistry in the exploration of the antioxidant activity of aqueous plant infusions”
Invited Lecture
 Romanian National Academy
 Institute of Chemistry
 May 23, 2006, Timisoara, Romania

95. “The antioxidant line of defence in natural products. Systematic approaches to unravel secrets at the molecular level”
Invited Lecture
 Faculty of Applied Chemistry and Materials Science
 Politehnica University of Bucharest
 April 14-19, 2006, Bucharest, Romania

96. “The Aqueous Chemistry of Titanium with Low Molecular Mass Bio-Substrates. From Predictions to Structural Speciation.”
Invited Lecture
 West University of Timisoara
 April 6, 2006, Timisoara, Romania

97. “The Role of Metal Ions in the Assembly and Function of Iron-Sulfur Proteins”
Invited Lecture
 West University of Timisoara
 April 5, 2006, Timisoara, Romania

98. “The two sides of a titanium “coin”. From titanium materials to the structural speciation with physiological substrates”
Invited Lecture
 Faculty of Applied Chemistry and Materials Science
 Politehnica University of Bucharest
 October 23-27, 2005, Bucharest, Romania

99. “Advances in the aqueous chemistry of vanadium with physiological substrates. A step toward understanding vanadium drugs in insulin mimesis”
Invited Lecture
 Politehnica University of Bucharest
 October 23-27, 2005, Bucharest, Romania

100. “Investigation of the structural speciation of binary and ternary titanium systems in environmental and biologically relevant fluids”
Plenary Lecture
5th International Symposium on Trace Elements in Human: New Perspectives
 October 13-15, 2005, Athens, Greece

- 101.** “Advances in aqueous vanadium synthetic chemistry of insulin mimetic interest”
Invited Lecture
COST D21/009/01 WG Meeting
Insulin mimetic vanadium compounds
 October 1-2, 2005, Thessaloniki, Greece
- 102.** “The intricacies and revelations of insulin mimetic vanadium chemistry”
Invited Lecture
Xth International Symposium on Bioinorganic Chemistry”
Challenge for a New Generation
 September 20-25, 2005, Szklarska Poreba, Poland
- 103.** "Aqueous chemistry advances with variable oxidation state vanadium ions"
Invited Lecture
Ist D29/016/04 COST Working Group Meeting on
 “Novel sustainable metal catalysed oxidations with H₂O₂ and O₂”
 Université Pierre et Marie Curie
 July 9-10, 2005, Paris, France
- 104.** “Vanadium metallodrugs in insulin mimesis. synthetic trials and mechanistic details in ternary Vanadium-citrate-hydrogen peroxide systems”
Session Lecture
Symposium on “Metals in Medicine”
8th FIGIPAS Meeting in Inorganic Chemistry
 July 6-9, 2005, Athens, Greece
- 105.** “Oxidative Stress in neurodegenerative dementias. From the clinical level of observation to the molecular level of cytochemistry”
Plenary Lecture
SAFE FOOD ALL OVER EUROPE
11th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2005
 Banat University of Agricultural and Veterinary Medicine
 May 26-27, 2005, Timisoara, Romania
- 106.** “An in depth investigation of the structural speciation in the binary Ti(IV)-citric acid aqueous system. Relevance to food and health”
Invited Lecture
Symposium on “Inorganic Chemistry and Technology and Analytical Chemistry”
Section of Inorganic Chemistry
Timisoara’s Academic Days 2005
 Politehnika (School of Engineering)
 May 26-27, 2005, Timisoara, Romania
- 107.** “Probing the antioxidant activity of natural substances against pro-oxidant metal ions. The case of naturally derived extracts from Mediterranean plants”
Invited Lecture

Faculty of Engineering
Aurel Vlaicu University of Arad
May 24, 2005, Arad, Romania

108. "Oxidative stress in Alzheimer's disease. The road of a complex process toward neurodegeneration"
Invited Lecture
4th Multidisciplinary Conference on Alzheimer's Disease and Related Disorders
March 31-April 2, 2005
Thessaloniki, Greece
109. "The basic aqueous (bio)chemistry of vanadium in the development of insulin mimetic drugs for Diabetes mellitus type II"
Invited Lecture
2nd Scientific Conference of the Chemical Process Engineering Research Institute
December 15-16, 2004
Thermi, Thessaloniki, Greece
110. "The advent of aqueous vanadium-hydroxycarboxylate synthetic chemistry in insulin mimesis"
Invited Lecture
2nd Central European Conference
"Chemistry towards Biology"
September 25-30, 2004, Seggau, Austria
111. "Synthetic and mechanistic aspects of aqueous vanadium(IV,V) chemistry in the presence of physiological ligands"
Invited Lecture
3rd D21/009/01 COST Working Group Meeting on Insulin-Mimetic Vanadium Compounds
6-7 September, 2004
Department of Inorganic and Analytical Chemistry, University of Szeged, Szeged, Hungary
112. "The Aqueous Chemistry of Biologically Relevant Vanadium-Hydroxycarboxylate Systems"
Invited Lecture
4th International Symposium on the Chemistry and Biological Chemistry of Vanadium
3-5 September, 2004, Szeged, Hungary
113. "Insulin Mimetic Vanadium in Diabetes Mellitus II. Biological Revelations in a Biological Milieu"
Invited Lecture
4th International Conference of the Chemical Societies of the South-East European Countries.
"Chemical Sciences in Changing Times: Visions, Challenges and Solutions"
July 18-21, 2004, Belgrade, Yugoslavia
114. "Natural Antioxidants against Iron-Dependent Pro-Oxidant Processes in Humans"

Plenary Lecture

10th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2004

Banat University of Agricultural and Veterinary Medicine

May 20-21, 2004, Timisoara, Romania

115. “Looking into chemical aspects of oxidative stress as an etiopathogenic factor in Alzheimer's disease”

Invited Lecture

Medical and Pharmaceutical University

May 21, 2004, Timisoara, Romania

116. “Oxidative Theory in the Neurodegenerative Disease of Alzheimer’s”

Plenary Lecture

10th Aristotle University Medical School Symposium on Alzheimer Disease

March 25, 2004, Thessaloniki, Greece

117. “Chemical Pathways in the Aqueous Chemistry of Insulin-mimetic Vanadium in the Presence of physiological Ligands: A Mechanistic View”

Invited Lecture

Inorganic Reaction Mechanisms Meeting 2003

Royal Society of London

Dalton Division

January 8-10, 2004, Athens, Greece

118. “Vanadium ions in pursuit of insulin mimetic action in humans”

Plenary Lecture

4th International Symposium on Trace Elements in Human: New Perspectives

October 9-11, 2003, Athens, Greece

119. “The oxidative theory in Alzheimer’s disease. Employment of physicochemical techniques in the delineation of an intricate biological problem.”

Plenary lecture

11th Physical Chemistry Conference with International Participation

ROMPHYSCHEM 11

September 2-5, 2003, Timișoara, Romania.

120. “Vanadium aqueous chemistry in insulin mimesis. From synthesis to mechanistic insight of vanadium ternary interactions with physiological ligands.”

Conference Lecture

11th Physical Chemistry Conference with International Participation

ROMPHYSCHEM 11

September 2-5, 2003, Timișoara, Romania.

121. “Chemical approaches to a biomedical problem in a human dimension.

The oxidative theory and the riddle of Alzheimer’s disease”

13th Alzheimer Europe Conference and 3rd Hellenic National Alzheimer Disease and Related Disorders Conference

June 12-15, 2003, Thessaloniki, Greece.

122. "Aqueous vanadium chemistry and insulin mimesis. From the synthetic chemistry to the biological activity of vanadium."
Universitatea "Politehnica" Timișoara
Facultatea de Chimie Industrială și Ingineria Mediului
Institutul de Chimie al Academiei
May 23, 2003, Timișoara, Romania

123. "Seeking quality of life out of vanadium chemistry"
Universitatea de Științe Agricole și Medicină Veterinară a Banatului
Facultatea de Tehnologia Produselor Agroalimentare
9th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2003
May 22, 2003, Timișoara, Romania

124. "Vanadium-peroxo-carboxylate chemistry in aqueous solutions"
Department of Inorganic and Analytical Chemistry
University of Szeged
April 23, 2003, Szeged, Hungary

125. "Vanadium insulin mimetic chemistry. The beautiful chemistry and the riddle of insulin mimesis"
5th Conference of the Department of Chemistry
25 Year Anniversary of the Department of Chemistry of the University of Ioannina (1977-1982)
University of Ioannina
Department of Chemistry
October 22, 2002, Ioannina, Greece

126. "The aqueous aluminum chemistry with physiological substrates and its neurotoxic implications in a wide spectrum of organisms including humans."
West University of Timisoara
Faculty of Chemistry, Biology and Geography
October 3, 2002, Timisoara, Romania.

127. "Aluminum toxicity in Alzheimer's disease. From the chemistry to the biology of neurotoxicity."
Banat University of Agricultural Science and Veterinary Medicine
Department of Horticulture and Agriculture
October 2, 2002, Timisoara, Romania.

128. "Biomimetic approaches to aqueous insulin mimetic vanadium chemistry. From the reaction flask to the cell culture."
Romanian Academy Institute of Chemistry.
October 1, 2002, Timisoara, Romania.

129. "Studies of structural speciation of aluminium with physiological ligands in aqueous media. From the acidification of the environment and the habitual dietary exposure to aluminium to the potential linkage to neurotoxic and degenerative diseases."

Banat University of Agricultural Science and Veterinary Medicine
 Department of Food Processing Technology
8th Symposium on "Agroalimentary Processes and Technologies" of the Academic Days in Timisoara 2002
 September 30, 2002, Timisoara, Romania.

130. "The rise of new species in the pH-dependent chemistry of aqueous vanadium tricarboxylate systems."
Joint D21 and D12 Working Group Meeting COST on Insulin-Mimetic Vanadium Compounds
 May 31-June 2, 2002, Lisbon, Portugal.

131. "Complex communications in aqueous vanadium speciation"
 Department of Inorganic and Analytical Chemistry,
 University of Szeged
 March 19, 2002, Szeged, Hungary.

132. "Metal Induced Oxidative Processes in Alzheimer's Disease."
2nd Panhellenic Congress of Alzheimer's Disease
 January 17-20, 2002, Thessaloniki, Greece.

133. "Unraveling the structural speciation of neurotoxic aluminum in aqueous solutions. A shy step toward solving an intricate riddle in Alzheimer's disease."
 Department of Chemistry,
 Aristotle University of Thessaloniki
 November 22, 2001, Thessaloniki, Greece

134. "Vanadium carboxylate chemistry as a tool of vanadium-citrate aqueous speciation. Potential relevance to the insulin mimetic activity of vanadium"
 Department of Chemical Engineering
 Faculty of Engineering
 Aristotle University of Thessaloniki
 November 21, 2001, Thessaloniki, Greece

135. "Fundamental aspects of aluminum carboxylate chemistry in relation to biotoxicity of that element in humans"
3rd International Symposium on Trace Elements in Human: New Perspectives
 October 4-6, 2001, Athens, Greece

136. "Carboxylic acids in vanadium aqueous chemistry. The perspective of solution and solid state properties of species in biologically relevant vanadium activity."
Joint D21 and D12 Working Group Meeting COST on Insulin-Mimetic Vanadium Compounds
 September 14-16, 2001, Hamburg, Germany.

137. "Advances in the aqueous chemistry of biotoxic aluminum, in relevance to neurodegenerative diseases"
6th FIGIPS Meeting in Inorganic Chemistry
 July 16-20, 2001, Barcelona, Spain.

138. "Aqueous aluminum-carboxylate chemistry. Prospects of its potential relevance to Alzheimer's disease"
7th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2001
 Banat's University of Agricultural Sciences and Veterinary Medicine.
 Faculty of Agrofood Technologies
 May 24-25, 2001, Timisoara, Romania

139. "Synthetic approaches to the aluminum-carboxylate aqueous chemistry. Relevance to neurodegenerative diseases"
 Department of Chemistry
 University of Szeged
 February 8, 2001, Szeged, Hungary

140. "Synthetic transformations of dimeric vanadium complexes with carboxylic acids in aqueous solutions."
2nd. Working Group Meeting COST D8/0022/99 on Synthesis, Structure, Physical Properties, Solution Speciation and Biological Studies of Potentially Insulin-Mimetic Vanadium Compounds
 September 30-October 1, 2000, Padova, Italy.

141. "Synthetic aluminum-citrate complexes and their possible relevance to Alzheimer's disease."
Session Lecture
First International Conference on METALS IN THE BRAIN From Neurochemistry to neurodegeneration
 University of Padova
 September 20-23, 2000, Padova, Italy

142. "The aqueous chemistry of aluminum in relation to its biotoxic involvement in the neurodegeneration of Alzheimer's disease."
5th International Conference on Environmental Pollution
 August 28- September 1, 2000, Thessaloniki, Greece.

143. "Vanadium carboxylate chemistry and its biological relevance to insulinomimesis."
 Department of Chemistry
 University of Bergen
 August 3, 2000, Bergen, Norway.

144. "The aqueous chemistry of aluminum in relation to its biotoxic involvement in the neurodegeneration of Alzheimer's disease."
Session Lecture
2nd International Conference of the Chemical Societies of the South-East European Countries. "Chemical Sciences and Industry"
 June 1-4, 2000, Halkidiki, Greece.

145. "Oxidation theory in Alzheimer's disease."
Session Lecture

First Panhellenic Conference on Alzheimer's Disease
January 13-16, 2000, Thessaloniki, Greece

- 146.** "Aqueous vanadium-tricarboxylate complexes and their potential use as insulin mimetic drugs."
Department of Chemistry.
University of Szeged,
December 3, 1999, Szeged, Hungary.
- 147.** "Bioinorganic synthetic chemistry in pursuit of the biological evolution of metalloenzymic systems containing Fe-S and Fe-O complexes."
Department of Chemistry
Charles University
November 9, 1999, Prague, The Czech Republic.
- 148.** "The aqueous chemistry of vanadium with tricarboxylic and dicarboxylic acids in biologically relevant media."
Department of Chemistry
Charles University
November 8, 1999, Prague, The Czech Republic.
- 149.** "Carboxylic acids in vanadium chemistry of aqueous solutions."
The Citrate Tale and its Biological Relevance.
Session Lecture
5th FGIPS Meeting in Inorganic Chemistry
October 27-31, 1999, Toulouse, France.
- 150.** "Vanadium citrate interactions in aqueous solutions."
COST D8 Meeting on Insulin-Mimetic Vanadium Compounds
37th IUPAC Congress and 27th GDCh General Meeting
August 14-19, 1999, Berlin, Germany.
- 151.** "Aqueous vanadium complexes with carboxylic acids and their potential relevance to biological systems."
COST D8 and ESF WORKSHOP on Biological and Medicinal Aspects of Metal Ion Speciation.
August 22-25, Attila Jozsef University, Szeged, Hungary.
- 152.** "Basic scientific and biotechnological advances in the field of methanotrophy and one of its fundamental metalloenzyme systems, Methane Monooxygenase (MMO)."
March 14, 1995, Foundation for Research and Technology Hellas (FO.R.T.H.), Heraklion, Crete, Greece.
- 153.** "Dinuclear centers in Chemistry and Biology that do not contain the heme group. The attainment of a common research goal with separate but converging methods of approach."
March 17, 1995, University of Crete, Heraklion, Crete, Greece.
- 154.** "Binuclear iron centers in bacterial enzymic systems. Inorganic and

biochemical approaches to unraveling inter-protein symbiotic relationships."
January 15, 1992, Union Carbide Corporation, Bound Brook, New Jersey, U.S.A.

- 155.** "Binuclear iron centers in metalloproteins. Synthetic inorganic models and naturally occurring metallosites in the biological arena of electron transfer and catalysis."
December 4, 1992, The Procter & Gamble Company, Cincinnati, Ohio, U.S.A.
- 156.** "Unraveling the secrets of bacterial methane monooxygenase, a marvel of nature's bioengineering machinery."
November 13, 1992, Biotransplant Inc., Cambridge, Massachusetts.
- 157.** "Synthetic approaches to the Fe/M/S center of the nitrogenase enzymic system."
February 1, 1990, Case Western Reserve University, Cleveland, Ohio, U.S.A.
- 158.** "Synthetic inorganic clusters as models for the active site of the nitrogenase enzyme."
January 22, 1990, Boston University, Boston, Massachusetts, U.S.A.

Participation in International and National Meetings

Presentations in Institutions

Publications in Symposia Proceedings

Papers Presented and Published in the Archives of International and National Meetings

1. “Flavonoids in the development of antioxidant technology in Alzheimer’s disease”
C.M. Nday, E. Halevas, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
2. “Endogenous-exogenous metal ion effects on neuronal tissues. In vitro and ex vivo approaches”
O. Tsave, G. Theophilidis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
3. “Physicochemical and biological study of binary systems of boron with physiological substrates”
S. Matsia, O. Tsave, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
4. “Effects of the nature of organic substrate on metallo-induced lipogenesis”
M. Kafantari, O. Tsave, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
5. “Molecular approaches in the development of metallo-induced lipogenicity in insulin-resistance”
O. Tsave, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
6. “The role of vanadium in the (TGF- β)-induced Epithelial to Mesenchymal Transition (EMT). Synergic action with carboplatin and correlation with metastasis in cancer patients”
S. Petanidis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
7. “Advanced hybrid binary materials of Bi(III) with enhanced antimicrobial properties”
E. Halevas, C. NDay, D. Eleftheriadou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
8. “Effects of combined exposure to phthalic esters and heavy metals on the psychokinetic behavior of children”

D.A. Sarigiannis, K. Polanska, W. Hanke, A. Salifoglou, C. Gabriel, N. Papaioannou, E. Handakas, S. Karakitsios
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

9. "Mutant K-ras cells release tumor-specific exosomes that create an immunosuppressive phenotype in the lung tumor microenvironment."
S. Petanidis, K. Domvri, N. Zogas, P. Zarogoulidis, E. Kioseoglou, D. Anastakis, K. Zarogoulidis, A. Salifoglou
2nd Panhellenic Congress on Thoracic and Environmental Diseases
November, 10-13, 2016, Thessaloniki, Greece.
10. "Structure- and metal-dependent induction of lipogenesis. Biochemical and Genetic approaches"
M. Kafantari, O. Tsave, M.P. Yavropoulou, A. Salifoglou
38th Annual Conference
Hellenic Society for Biological Conferences
May 26-28, 2016, Kavala, Greece
11. "Structural Characterization of 3d Metal Complexes Containing an Unconventional Schiff Base Ligand"
C. Cretu, D. Aparaschivei, L. Cseh, R. Tudose, C. Maxim, M. Andruh, A. Salifoglou and O. Costisor
21st International Symposium on Analytical and Environmental Problems
University of Szeged, Department of Inorganic and Analytical Chemistry
September 28, 2015, Szeged, Hungary
12. "Studies of the chemistry of Ln(III)-MOFs with succinic acid"
C. Gabriel, R. Tekidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
13. "Design and development of hybrid vanadodrug anticancer biotechnology"
A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
14. "Development and evaluation of zinc insulin mimetic biotechnology. Correlation with Diabetes mellitus"
O. Tsave, M.P. Yavropoulou, M. Kafantari, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
15. "Heterometallic 3d-4f hybrid lanthanide MOF materials with applications in catalysis and sensors"
C. Gabriel, R. Tekidou, A. Salifoglou

10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

16. “Zinc adipogenicity in Diabetes mellitus II”
M. Kafantari, M.P. Yavropoulou, O. Tsave, A. Salifoglou
37th Science Conference of the Greek Society of Biological Sciences
May 21-23, 2015, Volos, Greece
17. “Structure-dependent zinc insulin mimesis in Diabetes mellitus”
O. Tsave, E. Halevas, M.P. Yavropoulou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
18. “Flavonoid nanoparticles in neuroprotection”
C. M. Nday, E. Halevas, G. Jackson, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
19. “Reduction of autophagy through vanadium and TRAIL-induced apoptosis in cancer cells.”
S. Petanidis, E. Kioseoglou, D. Anastakis, M. Hatzopoulou-Cladaras, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
20. “Copper neurotoxicity and neuroprotection. An ex vivo study”
O. Tsave, A. Salifoglou, G. Theophilidis
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
21. “Hybrid lanthanide MOFs with dicarboxylic acids and sensor applications”
C. Gabriel, R. Tekidou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
22. “Vanadium downregulates autophagy through induction of TRAIL induced apoptosis in cancer cells”
S. Petanidis, E. Kioseoglou, D. Anastakis, A. Moustakas, J. Carthy, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
23. “Vanadium metallodrugs: from the design to the anticancer biology”
A. Salifoglou
9th International Vanadium Symposium Chemistry, Biological Chemistry & Toxicology
Dipartimento Scienze Chimiche, University of Padova – Italy
Dipartimento di Scienze e Tecnologie Chimiche
University of Roma TorVergata – Italy
June 29-July 2, 2014, Padova, Italy

24. "The effect of Cu(II) metallotoxin on the peripheral neuronal fibers in rat – an ex vivo study"
O. Tsave, A. Salifoglou, G. Theophilidis
32nd Annual Conference of the Hellenic Society for Biological Sciences
May 8-10, 2014, Ioannina

25. "Insulin mimetic activity of newly synthesized zinc molecules. In vitro studies on adipocyte cultures "
M.P. Yavropoulou, K. Topouridou, O. Tsave, A. Salifoglou, K. Kotsa, I.G. Yovos.
27th Panhellenic Annual Conference of the Diabetes Society of Northern Greece
November, 14-16, 2013, Thessaloniki, Greece.

26. "Molecular approaches in the development of prognostic technology in Alzheimer's disease."
A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece

27. "Design, synthesis and molecular biological studies toward the development of insulin mimetic zinc biotechnology in Diabetes mellitus."
O. Tsave, E. Halevas, M. Yavropoulou, K. Topouridou, E. Yovos, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece

28. "The effect of H-ras oncogene on carcinogenesis. From etiopathogenesis to the development of functional metallodrugs"
S. Petanidis, A. Salifoglou
Heraklitos II Meeting "Support of Human Research Capital through Implementation of Doctoral Research. Central Actions in Doctoral Research".
December 10, 2012, Thessaloniki, Greece.

29. "Role of cadmium in the regulation of H-ras Expression accompanied by Caspase-3 Apoptotic Cell Death in Breast Cancer Epithelial MCF-7 cells."
S. Petanidis, A. Salifoglou
63rd Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece.

30. "Molecular mechanism of interaction of carcinogenic metals with minisatellite DNA and consequences on the transcriptional regulation of the H-ras oncogene."
S. Petanidis, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session XII: Medicinal and Biological Chemistry
December 9-12, 2011, Thessaloniki, Greece.

31. "In vitro study of the neurodegeneration process in hippocampal cell cultures."

- A. Savva, C. NDay, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session XII: Medicinal and Biological Chemistry
 December 9-12, 2011, Thessaloniki, Greece.
32. “Study of the interactions of Cu(II) with organophosphonate substrates.”
 B. Georgantas, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session III: Chemistry and Materials Technology
 December 9-12, 2011, Thessaloniki, Greece.
33. “The interaction chemistry of biotoxic aluminum with hydroxycarboxylic acids in aqueous media. The biotoxicity potential of binary Al(III) hydroxycarboxylate species in neurodegenerative processes”
 A. Salifoglou
4th European Conference on Chemistry for Life Sciences (4ECCLS)
 August 31-September 3, 2011, Budapest, Hungary
34. “The molecular basis for the development of neuroprotective technology in the neurodegenerative Alzheimer disease”
 A. Salifoglou, C. Nday
8th Panhellenic Scientific Conference in Chemical Engineering
 May 26-28, 2011, Thessaloniki, Greece
35. “Rational development of 1D-3D supramolecular lattice architectures through metal-assisted transformations of organic dicarboxylic”
 A. Salifoglou, C. Gabriel
8th Panhellenic Scientific Conference in Chemical Engineering
 May 26-28, 2011, Thessaloniki, Greece
36. “Potential mechanisms of Al(III) action in the induction of neurodegenerative disorders of the Alzheimer’s type”
 C. Nday, A. Salifoglou
Plenary Lecture
7th National Conference in Alzheimer’s Disease and Related Disorders
 February 16-20, 2011, Thessaloniki, Greece
37. “Al(III) Effects on neuronal hippocampal cellular NMDA and VDCC channels in early events of neurodegeneration”
 C. Nday, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece
38. “Structural Speciation and In Vitro Cytotoxicity of Neurotoxic Aluminum in Alzheimer’s Type Neurodegeneration”
 A. Salifoglou
10th Greece-Cyprus Conference
Chemistry and Sustainable Growth

July 2-4, 2009, Heraklion, Greece

39. "In Vitro Study of Neurotoxic Forms of Al(III) in Relation to Neurodegenerative Dementia in Alzheimer's Disease"
C. Nday, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
June 3-5, 2009, Patras, Greece
40. "Synthetic Study of Interactions of Al(III) with Organophosphonate Substrates"
B. Georgantas, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
June 3-5, 2009, Patras, Greece
41. "Interactions Between Al(III) and Phosphonate-Carboxylate Substrates Relevant to Alzheimer's Disease"
B. Georgantas, A. Salifoglou
The Eighth Keele Meeting on Aluminium
February 21-25, 2009, Trest, Czech Republic
42. "In vitro Research Study of the Effect of the Environmental Metallotoxin Al(III) on the Oxidative Stress of Neuronal Cells through the Action of Ca(II) Ions."
C. Nday, A. Salifoglou
6th Panhellenic Conference on Alzheimer's Disease and Related Disorders
Grand Hotel
February 19-22, 2009, Thessaloniki, Greece
43. "The Crossword Puzzle of Knowledge and Technology with Small and Large Molecules in Alzheimer's Disease. Do we Learn or Forget?"
A. Salifoglou
Department of Chemical Engineering
Aristotle University of Thessaloniki
January 10, 2008, Thessaloniki, Greece
44. "Design, Synthesis and Biological Activity of Vanadium Insulin Mimetic Drugs"
A. Salifoglou
Section of Basic and Applied Chemistry
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 513-516
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
45. "Water Soluble and Bioavailable Forms of Fe(III) with Quinic Acid. Synthesis, Isolation, Structural and Spectroscopic Characterization"
M. Menelaou, C. Mateescu, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 497-500
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
46. "Synthetic Investigation of the Molecular Basis of Cr(III) Toxicity in the Presence of the Physiological Substrate Quinic Acid"

- C. Gabriel, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
 Volume A, p. 113-116
 May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
47. "The Interaction of Hydroxycarboxylic Acids with Fe(III). Water Soluble and Bioavailable Forms of Fe(III) in Plants"
 M. Menelaou, C. Mateescu, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
 April 27-30, 2007, Larnaca, Cyprus
48. "Study of the Aqueous Binary System Cr(III)-citric acid Toward Understanding the Molecular Basis of Chromium Biototoxicity"
 C. Gabriel, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
 April 27-30, 2007, Larnaca, Cyprus
49. "Metallotoxicity and Neuroprotection in Alzheimer's Disease"
 J. Lazaridis, B. Drever, A. J. Drysdale, A. Salifoglou, B. Platt
 "Oxidative Stress and Dementia"
5th National Conference in Alzheimer's Disease and Related Disorders
 February 22-25, 2007, Thessaloniki, Greece
50. "Dynamic Methods to Study Metal Embryotoxicity"
 C. Nday, J. Lazaridis, A. Stergiadis, A. Georgiou, E.-N. Emmanouil-Nikoloussi, H. Fragou-Massouridou, A. Salifoglou
2nd D29/016/04 COST Working Group Meeting on
 "Novel sustainable metal catalysed oxidations with H₂O₂ and O₂"
 June 17-18, 2006, Rome, Italy
51. "Synthesis and Characterization of Two New Isostructural Iron(III)-Quinates from Aqueous Solutions"
 Melita Menelaou, A. Salifoglou
New Trends in Food Safety and Food Technology
 May 25-26, 2006, Timisoara, Romania
52. Isolation and characterization of a new complex of Cr(III) with the physiological substrate of citric acid in aqueous media
 C. Gabriel, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"
 September 20-24, 2005, Ioannina, Greece
53. "Insulin mimetic preparations of vanadium in correlation with the disease Diabetes mellitus II"
 A. Salifoglou
5th Hellenic Chemical Engineering Conference

Materials Science and Technology 10
Book of Archives, p. 1157-1160
May 26-28, 2005, Thessaloniki, Greece

54. "Development of the aqueous chemistry of the environmental toxin Hg(II) with biomimetic phosphonate derivatives"
J. Bounias, A. Salifoglou
5th Hellenic Chemical Engineering Conference
Basic and Applied Chemistry 3
Book of Archives, p. 289-292
May 26-28, 2005, Thessaloniki, Greece
55. "Synthetic, structural, and spectroscopic studies in correlation with the aqueous speciation of the Ti(IV)-citrate system"
P. Panagiotidis, E. Kefalas, A. Salifoglou
5th Hellenic Chemical Engineering Conference
Basic and Applied Chemistry 3
Book of Archives, p. 293-296
May 26-28, 2005, Thessaloniki, Greece
56. "A vanadium(V)-citrate complex from aqueous solutions"
C. Gabriel, M. Kaliva, A. Salifoglou
Volume XI, No. 1, p. 69-72
SAFE FOOD ALL OVER EUROPE
11th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2005
Banat University of Agricultural and Veterinary Medicine
May 26-27, 2005, Timisoara, Romania
57. Insulin-mimetic vanadium compounds: Design, synthesis and in vitro tests.
D. Rehder, F. Avecilla, J. Costa Pessoa, C. F. G. C. Geraldés, T. Kabanos, T. Kiss, B. Meier, G. Micera, I. Nolte, L. Pettersson, A. Salifoglou
Mid-term evaluation workshop on "Metalloenzymes and Chemical Biomimetics"
COST D21
September 18-21, 2003, Thessaloniki, Greece
58. The Interwoven Fate of Biology and Chemistry in the Plant Biotechnology of the Future
Kalliopi A. Roubelakis-Angelakis and Athanasios Salifoglou
International Conference on Emerging Frontiers at the Interface of Chemistry & Biology
April 28-30, 2003, Trivandrum, India
59. The Aqueous Chemistry of Aluminum in the Presence of Physiological Ligands in Relevance to the Role of this Biotoxic Metal Ion in Neurodegenerative Diseases.
A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece

60. Aluminium and beta-amyloid induced neurotoxicity in primary hippocampal cultures following short-term exposure.
E. V. L. Roloff, A. J. Drysdale, F. King, T. Salifoglou, B. Platt.
Society for Neuroscience Abstracts 2001, 27, 872.1.
Society for Neuroscience 31st Annual Meeting
November 10-15, 2001, San Diego, U.S.A.
61. Delineating the Structural Speciation of Aluminum with Physiological Ligands, in Correlation with the Biototoxicity of this Metal Ion in Humans.
A. Salifoglou
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.
62. Aqueous Extracts of Mediterranean Herbs Exhibit Antioxidant Activity *in vitro*.
C. Matsingou, M. Kapsokafalou, A. Salifoglou
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.
63. "The antioxidant behavior of nutritional systems is determined by the interactions of their constituents. Studies of interactions between iron and polyphenolic components."
C. Matsingou, M. Kapsokafalou, A. Salifoglou
6th Panhellenic Conference on Nutrition-Diet
November 24-26, 2000, Athens, Greece.
64. The Aqueous Chemistry of Vanadium in the Presence of Carboxylic Acids
M. Tsaramyrsi, M. Calyva, A. Terzis, C. P. Raptopoulou, A. Salifoglou
6th Joint Greece-Cyprus Conference in Chemistry
September 2-5, 1999, Rhodes, Greece.
65. Antioxidant Behavior of Mixtures of Iron and Tea or Herbs Under *in vitro* Digestion Conditions.
C. Matsingou, M. Kapsokafalou, A. Salifoglou
6th Joint Greece-Cyprus Conference in Chemistry
September 2-5, 1999, Rhodes, Greece.
66. Vanadium Citrate Chemistry in Aqueous Solutions
M. Tsaramyrsi, M. Calyva, A. Terzis, C. P. Raptopoulou, A. Salifoglou
5th International Symposium on Applied Bioinorganic Chemistry
April 13-17, 1999, Corfu, Greece.
67. Aqueous Vanadium Complexes with Carboxylic Acids and their Potential Relevance to Biological Systems.
A. Salifoglou
COST D8 and ESF WORKSHOP on Biological and Medicinal Aspects of Metal Ion Speciation
August 22-25, 1998, Attila Jozsef University, Szeged, Hungary.
68. Vanadium Citrate Complexes and their Relevance to Biological Systems.

- M. Tsaramyrsi, A. Terzis, C. P. Raptopoulou, A. Salifoglou
1st International Conference of the Chemical Societies of the South-East European Countries
"Chemical Sciences and Industry"
 1-4 June, 1998, Halkidiki, Greece.
- 69.** The Chemistry of Aluminum with Citrates in Neurodegenerative Diseases.
 M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
 3-5 December, 1997, NRCPS "Demokritos", Athens, Greece.
- 70.** Aluminum Species as a Preamble to Pathological Diseases.
 M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
 October 1997, Corfu, Greece.
- 71.** Intermediate Complexes and Protein Interactions in Substrate Reactions of Methane Monooxygenase from *M. capsulatus* (Bath).
 K. E. Liu, A. M. Valentine, D. Wang, B. H. Huynh, D. E. Edmondson, S. J. Lippard, and A. Salifoglou
17th Panhellenic Chemical Society Meeting,
"Chemistry on the doorstep of the 21st century",
 1-5 December 1996, Patras, Greece.
- 72.** From the Mass Production of *Methylococcus capsulatus* to the Efficient Separation and isolation of Methane Monooxygenase Proteins. Characterization of Novel Intermediates in Substrate Reactions of Methane Monooxygenase.
 K. E. Liu, A. M. Valentine, D. Wang, B. H. Huynh, D. E. Edmondson, A. Salifoglou, and S. J. Lippard
NATO Advanced Study Institute on "Cytotoxic, Mutagenic and Carcinogenic Potential of Heavy Metals, Including Metals Related to Human Environment",
 15-26 June, 1996, Przesieka, Poland.
- 73.** Nitrogenase and Nitrogen Fixation.
 W. H. Orme-Johnson, A. Anderson, F. M. Ausubel, T. A. Collet, A. B. Hickman, B. Hoffman, P. McLean, A. F. Miller, E. Münck, M. P. Reeve, T. Salifoglou, B. Stewart, T. White, D. Wink, D. Wright
4th International Conference on Bioinorganic Chemistry,
 May 20-26, 1990, Knoxville, Tennessee, U.S.A.
- 74.** The Synthesis and Characterization of Fe/Mo/S Clusters of Possible Relevance to the Active Site of Nitrogenase.
 D. Coucouvanis, M. G. Kanatzidis, A. Salifoglou
149th ACS National Meeting,
 August 30 - September 4, 1987, New Orleans, Louisiana, U.S.A.
- 75.** Binuclear Complexes of the First-Row Transition Metals with Aryloxides as Bridging Ligands.

- A. Salifoglou, K. Greiwe, D. Coucouvanis
19th ACS Central Regional Meeting,
June 24 - 26, 1987, Columbus, Ohio, U.S.A.
- 76.** New Thiolate Complexes of Niobium and Tantalum.
R. Bergero, D. Coucouvanis, A. Salifoglou
19th ACS Central Regional Meeting,
June 24 - 26, 1987, Columbus, Ohio, U.S.A.
- 77.** Structures and Electronic Properties of Fe/Mo/S Aggregates. Possible Structural Analogues for the Active Site of Nitrogenase.
D. Coucouvanis, A. Salifoglou, M. G. Kanatzidis
19th ACS Central Regional Meeting,
June 24 - 26, 1987, Columbus, Ohio, U.S.A.
- 78.** Mixed and Non-Sulfur Terminal Ligand Environment Fe_4 and Fe_2S_2 Clusters. Their Relevance as Ferredoxin Active Site Analogues.
D. Coucouvanis, M. G. Kanatzidis, A. Salifoglou
188th ACS National Meeting,
August 26 - 31, 1984, Philadelphia, Pennsylvania, U.S.A.
- 79.** Synthetic Iron-Sulfur Clusters Containing the $[\text{Fe}_2\text{S}_2]^{2+}$ Core and Non-Sulfur Terminal Ligands.
A. Salifoglou, M. G. Kanatzidis, and D. Coucouvanis
Third Joint Great Lakes/Central Regional Meeting of the American Chemical Society,
May 23 - 25, 1984, Kalamazoo, Michigan, U.S.A.

Presiding Chairman at National and International Meetings

1. SESSION: NANOTECHNOLOGY AND DEMENTIA
Chair: A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
2. SESSION: ETIOPATHOGENESIS AND MOLECULAR TECHNOLOGIES
CONFRONTING ALZHEIMER'S NEURODEGENERATION
Chair: A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
3. SESSION: INORGANIC AND BIOINORGANIC CHEMISTRY
Chairs: G. Psomas, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
4. SESSION: PLENARY CONFERENCES
Chairs: M. Zaharescu, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
5. SESSION: Biochemical Engineering - Biotechnology
Chairs: A. Salifoglou, M. Klapa
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
6. SESSION: State of the Art - Cellular function and Alzheimer disease
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
May 14-17, 2015, Thessaloniki, Greece
7. SESSION: New technologies in combating neurodegeneration
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
May 14-17, 2015, Thessaloniki, Greece
8. SESSION: Inorganic and Bioinorganic Chemistry
Chairs: A. Salifoglou, J. Plakatouras
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
9. SESSION: Biophysical, environmental and green chemistry.

Chairs: A. Salifoglou, Vlad Tudor Popa
International Conference of Physical Chemistry
Romphyschem 15
Romanian Academy of Sciences
September 11-13, 2013, Bucharest, Romania

10. SESSION: Nanostructure Assemblies in Biotechnology
Chairs: A. Salifoglou and Eva Marie Hey-Hawkins
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
June 13-14, 2013, Timișoara, Romania
11. SESSION: General Symposium II: Biotechnology, Biomaterials, Tissue Engineering
Chairs: Maya Simionescu and A. Salifoglou
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
June 5-9, 2013, Timișoara, Romania
12. SESSION: Biobanks
Chair: A. Salifoglou
8^o Panhellenic Conference of Alzheimer's Disease
February 28-March 3, 2013, Thessaloniki, Greece
13. SESSION: Materials
Chairs: A. Salifoglou, Cecilia Savii
New Trends and Strategies in the Chemistry of Advanced Materials
November 8-9, 2012, Timisoara, Romania
14. SESSION: Metalloproteins
Chair: A. Salifoglou
European Biological Inorganic Chemistry 11 (EUROBIC 11) Conference
September 12-16, 2012, Granada, Spain
15. SESSION: Bioinorganic Chemistry
Chairs: E. Milaeva, A. Salifoglou
12th Eurasia Conference on Chemical Sciences
April 16-21, 2012, Corfu, Greece.
16. SESSION XIII: Inorganic and Bioinorganic Chemistry
Chairs: S. Perlepes, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
December 9-12, 2011, Thessaloniki, Greece.
17. SESSION T4: Metals in Neurosciences
Chair: A. Salifoglou
11th International Symposium on Applied Bioinorganic Chemistry (ISABC11)
December 2-5, 2011, Barcelona, Spain.

- 18. SESSION II: Biomaterials**
Chairs: Marius Andruh, A. Salifoglou
5th International Symposium on New Trends and Strategies in the Chemistry of Advanced Materials
November 3-4, 2011, Timisoara, Romania
- 19. SESSION: Basic and Applied Chemistry**
Chairs: D. Spartinos, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece
- 20. SESSION: Biotechnology and Biomedical Engineering**
Chairs: A. Salifoglou, A. Assimopoulou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece
- 21. SESSION: Biomedicine and Bioengineering**
Chairs: A. Salifoglou, T. Pajpanova and E. Eskader
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 22. SESSION: Aetiology and Pathology in Dementias**
25th International Conference of Alzheimer's Disease International (ADI)
March 10-13, 2010, Thessaloniki, Greece.
- 23. WORKSHOP 2: Trace Elements: Metabolism and Biological Effects**
7th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2009, Athens, Greece
- 24. SESSION MATERIALS SCIENCE AND TECHNOLOGY 7 (MS7)**
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 25. SESSION S7 COPPER**
9th European Biological Inorganic Chemistry Conference – EUROBIC9
September 2-6, 2008, Wroclaw, Poland
- 26. SCIENTIFIC PROGRAM SESSION D**
FIGIPAS 9 Meeting in Inorganic Chemistry
July 4-7, 2007, Vienna, Austria
- 27. BASIC AND APPLIED CHEMISTRY 6th**
Panhellenic Scientific Conference of Chemical Engineering
May 31 – June 2, 2007, Athens, Greece
- 28. SYNTHETIC AND COMPUTATIONAL CHEMISTRY**
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth

April 27-30, 2007, Larnaca, Cyprus

- 29. OXIDATIVE STRESS AND DEMENTIA**
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
- 30. POSTER SESSION**
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
- 31. NEW TRENDS IN FOOD SAFETY AND TECHNOLOGIES**
SESSION 2
May 25-26, 2006, Timisoara, Romania
- 32. 5TH INTERNATIONAL SYMPOSIUM ON TRACE ELEMENTS IN HUMAN: NEW PERSPECTIVES**
WORKSHOP 2: TRACE ELEMENTS: METABOLISM AND BIOLOGICAL EFFECTS
October 13-15, 2005, Athens, Greece
- 33. 5TH INTERNATIONAL SYMPOSIUM ON TRACE ELEMENTS IN HUMAN: NEW PERSPECTIVES**
WORKSHOP 1: TRACE ELEMENTS AND HUMAN HEALTH
October 13-15, 2005, Athens, Greece
- 34. 5TH HELLENIC CHEMICAL ENGINEERING CONFERENCE**
SESSION: BASIC AND APPLIED CHEMISTRY 1
May 26-28, 2005, Thessaloniki, Greece
- 35. AGROALIMENTARY PROCESSES AND TECHNOLOGIES**
SESSION I
May 26-27, 2005, Timisoara, Romania
- 36. AGROALIMENTARY PROCESSES AND TECHNOLOGIES**
SESSION I
May 20-21, 2004, Timisoara, Romania
- 37. 13th ALZHEIMER EUROPE CONFERENCE AND 3rd HELLENIC NATIONAL ALZHEIMER DISEASE AND RELATED DISORDERS CONFERENCE**
SESSION: Stress and Brain
June 12-15, 2003, Thessaloniki, Greece.
- 38. 19th PAN-HELLENIC CONFERENCE ON CHEMISTRY**
SESSION INORGANIC CHEMISTRY
November 6-10, 2002, Heraklion, Greece
- 39. METALLOBIOMOLECULES AND SYNTHETIC MODELS**
SYMPOSIUM 3
6th FIGIPS Meeting in Inorganic Chemistry
July 16-20, 2001, Barcelona, Spain

- 40. CHEMISTRY AND METAL SPECIATION
SESSION 6**
First International Conference on METALS IN THE BRAIN
From Neurochemistry to neurodegeneration
University of Padova
September 20-23, 2000, Padova, Italy
- 41. PATHOGENESIS OF ALZHEIMER'S DISEASE**
First Panhellenic Conference on Alzheimer's Disease
January 13-16, 2000, Thessaloniki, Greece
- 42. PLENARY SESSION and
COORDINATION AND BIOINORGANIC CHEMISTRY SESSION**
5th FGIPS Meeting in Inorganic Chemistry
October 27-31, 1999, Toulouse, France

Participation in International Meetings
PUBLICATIONS IN SYMPOSIA PROCEEDINGS
RESEARCH POSTER PRESENTATIONS

1. Antioxidant activity of naringin nanoparticles with potential applications in neurodegenerative diseases
C.M. Nday, E. Halevas, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

2. Enhanced catechin inhibitory action in copper-induced morphological and functional consequences on Sprague Dawley neuronal cells
C.M. Nday, E. Halevas, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

3. Hybrid nanotechnology of antioxidant protection of curcumin in neurodegenerative processes
E. Halevas, C.M. Nday, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

4. The role of quercetin nanospheres in the development of neuronal cells in an antioxidant environment
E. Halevas, C.M. Nday, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

5. Evaluation of endogenous and non-endogenous metal ion activity in the peripheral and central nervous system
O. Tsave, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

6. Metal-induced oxidative stress and antioxidant protection in Alzheimer's type neurodegeneration
O. Tsave, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

7. Diabetes and obesity in Alzheimer's disease
C.M. Nday, D. Eleftheriadou, A. Salifoglou

10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

8. Study of zincoform lipogenicity in Diabetes mellitus II. Structure-function correlation
O. Tsave, C. Gabriel, M. Kafantari, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
9. Structure-dependent investigation of the toxic profile of hybrid materials of cadmium with physiological substrates
O. Tsave, A. Kapourani, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
10. Physicochemical study of binary systems of thallium with hydroxycarboxylic acids in aqueous solutions
S. Matsia, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
11. Synthesis, isolation and physicochemical characterization of a new binary material of Cu(II) with (O,N₂)-substrates
O. Tsave, C. Gabriel, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
12. The lipogenic potential of vanadium in the form of Schiff base complexes with organic substrates
O. Tsave, K. Chachlioutaki, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
13. Vanadium-peroxido coordination compounds with zwitterionic substrates in the oxidation of alkene substrates
E. Kioseoglou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
14. Encapsulation of antimicrobial combinations of essences with Zn(II) complexes in chitozan nanoparticles
E. Halevas, C.M. NDay, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
15. Synthesis of silica nanoparticles with encapsulated antioxidant V(IV,V) formulations
E. Halevas, C.M. NDay, D. Eleftheriadou, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

16. Quercetin encapsulation in magnetic nanoparticles and use in in vivo processes
C.M. NDay, E. Halevas, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

17. Zn(II) complex nanoparticles for antibacterial use
C.M. NDay, E. Halevas, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

18. New nanoparticles with encapsulated catechin against metals interrupting neuronal synaptic communication
C.M. NDay, E. Halevas, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

19. Synthesis of binary-ternary complex forms of Zn(II) with physiological substrates and structure-dependent insulin mimetic action
O. Tsave, M. Kafantari, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

20. Assessment of lipogenic potential of Cr(III) with emphasis in Diabetes mellitus II
O. Tsave, M. Kafantari, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

21. Development of new binary and ternary materials of Ti(IV) with physiological substrates in potential pharmaceutical applications
A. Iordanidou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

22. Synthesis and characterization of binary materials of Cd(II) with (hydroxyl)carboxylic acid substrates. Toxicity correlations
A. Iordanidou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

23. A Novel Bacteria-Based Broadcast System Exploiting Chemotaxis
S. Mavridopoulos, P. Nicopolitidis, O. Tsave, A. Salifoglou, I. Vlahavas.
ACM NanoCom 2016
3rd ACM International Conference on Nanoscale Computing and Communication
September 28-30, 2016, New York, USA

24. Structural Speciation in Binary and Ternary Cd(II)(α -Hydroxycarboxylic Acid) Systems. Correlation with Heavy Metal Toxicity
A. Iordanidou, A. Salifoglou

- 13th European Biological Inorganic Chemistry Conference (Eurobic 13)*
August 28-September 1, 2016, Budapest, Hungary
25. Vanadium Reduces Autophagic Flux and Inhibits Epithelial Mesenchymal Transition by Triggering Trail Induced Apoptosis in Cancer Cells
E. Kioseoglou, S. Petanidis, D. Anastakis, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
 26. “Regulation of TGF- β /SMAD Signaling by Antitumor Vanadium”
S. Petanidis, E. Kioseoglou, D. Anastakis, A. Moustakas, J. Carthy, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
 27. The Advent of Molecular Studies Formulating Zinc Metallodrugs in Insulin Mimetic Activity Toward Diabetes Mellitus II
C. Gabriel, O. Tsave, S. Petanidis, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
 28. Chromium Enhancement of Adipogenesis and Influence on Molecular Markers
O. Tsave, M. Kafantari, C. Gabriel, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
 29. “Crossing the Pathway of Vanadium Peroxido Zwitterion Compounds and Catalysis of Alkene Substrates. ”
E. Kioseoglou, S. Petanidis, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
 30. Structure-specific binary and ternary Zn(II)-Schiff base materials and insulin mimetic zinc-induced adipogenesis in 3T3-L1 fibroblasts
O. Tsave, E. Halevas, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
 31. The link between vanadium-peroxido-betaine compounds and alkene epoxidation catalysis
E. Kioseoglou, S. Petanidis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
 32. Regulation of TGF- β /SMAD signaling by antitumor vanadium
E. Kioseoglou, S. Petanidis, D. Anastakis, A. Moustakas, J. Carthy, A. Salifoglou

New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

- 33.** Investigating the pathway of vanadate-oxo-peroxido-betaine coordination chemistry and potential applications in biology
E. Kioseoglou, S. Petanidis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 34.** Delving into the pathway of vanadium-peroxido-betaine compounds in catalysis
E. Kioseoglou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 35.** Chitosan nanocarriers of zinc-essential oil “cocktails” for potential antibacterial activity
E. Halevas, C. M. NDay, A. Tsiaprazi-Stamou, D. Eleftheriadou, G. Litsardakis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 36.** Discovering the links between the synthesis and physicochemical properties of peroxide-vanadium-zwitterion compounds and the catalytic action in industry and biology
E. Kioseoglou, S. Petanidis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 37.** Finding the protagonistic role of vanadium-diperoxido-betaine compounds as oxidizing catalysts
E. Kioseoglou, S. Petanidis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 38.** Catechin silica nanoparticle use against Cu(II) toxicity and synaptic loss in primary neuronal cells
C. M. NDay, E. Halevas, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection

The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

39. Vanadium reduces autophagy and inhibits metastatic niche by induction of trail-induced apoptosis in cancer cells
S. Petanidis, E. Kioseoglou, D. Anestakis, M. Hadzopoulou-Cladaras, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
40. Quercetin encapsulation in magnetic silica nanoparticles targeting in vivo applications
C. M. NDay, E. Halevas, S. Laurent, G. Jackson, G. Litsardakis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
41. Boron chemistry with physiological ligands. A chemical and biological investigation
O. Tsave, S. Matsia, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
42. Assessment of Cr(III) adipogenicity. A molecular approach linking metal-induced enhancement of insulin mimesis in Diabetes Mellitus II
O. Tsave, M. P. Yavropoulou, M. Kafantari, C. Gabriel, J. G. Yovos, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
43. Investigation of the aqueous chemistry of Ln(III)-MOFs with glutaric acid
C. Gabriel, R. Tekidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
44. New MOF materials of Pb(II) with dicarboxylic acids
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
45. Vanadium nanocarriers for potential antioxidant and antiradical activity
E. Halevas, C. M. NDay, D. Eleftheriadou, G. Jackson, A. Salifoglou

New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
 June 9-10, 2016, Timisoara, Romania

46. Hybrid binary and ternary Cd(II)-(α-hydroxycarboxylic acid) systems involving n-donor chleators. link to heavy metal toxicity
 A. Iordanidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
 June 9-10, 2016, Timisoara, Romania

47. In vitro evaluation of the adipogenic capacity of V(V)-Schiff base complexes in 3T3-L1 pre-adipocytes
 O. Tsave, E. Halevas, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
 June 9-10, 2016, Timisoara, Romania

48. A Novel Bacteria-Based Broadcast System Exploiting Chemotaxis
 S. Mavridopoulos, P. Nicopolitidis, O. Tsave, A. Salifoglou, I. P. Vlahavas
3rd ACM International Conference on Nanoscale Computing and Communication 2016
 September 28-30, 2016, New York City, New York, USA.

49. Synthesis and physicochemical properties of bis-peroxido-zwitterion-vanadium materials as potential catalysts in organic substrate oxidation
 E. Kioseoglou, A. Salifoglou, S. Petanidis
GDCh-Wissenschaftsforum Chemie 2015
 August 30-September 9, 2015, Dresden, Germany

50. Flavonoid protection nanotechnology against metal-induced neurodegeneration in Alzheimer's disease
 C. Muswamba-Nday, E. Halevas, G. E. Jackson, A. Salifoglou
GDCh-Wissenschaftsforum Chemie 2015
 August 30-September 9, 2015, Dresden, Germany

51. Vanadium reduces autophagic flux and inhibits epithelial-mesenchymal transition by triggering TRAIL-induced apoptosis in cancer cells.
 E. Kioseoglou, A. Salifoglou, S. Petanidis, D. Anastakis, M. Hadzopoulou-Cladaras
GDCh-Wissenschaftsforum Chemie 2015
 August 30-September 9, 2015, Dresden, Germany

52. Investigation of the chemistry of lanthanides based materials Ln(III)-MOFs with dicarboxylic acids
 C. Gabriel, R. Tekidou, A. Salifoglou
International Symposium On Metal Complexes (ISMEC2015)
 University of Wroclaw

June 24-28, 2015, Wrocław, Poland

- 53.** Synthetic study of binary and ternary Ti(IV)-H₂O₂-(hydroxycarboxylate) systems in water. Correlation with hybrid prosthetic biomaterials.
C. Iordanidou, A. Salifoglou
International Symposium On Metal Complexes (ISMEC2015)
University of Wrocław
June 24-28, 2015, Wrocław, Poland
- 54.** Metal-Organic-Framework materials of Pb(II) with (di)tricarboxylate ligands
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 55.** Novel binary Bi(III) complexes as antimicrobial agents
E. Halevas, C.M. Nday, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 56.** Chromium(III) insulin-enhancing capacity in Diabetes mellitus
O. Tsave, C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 57.** Binary V(V)-Schiff base compounds in insulin mimesis
O. Tsave, M.P. Yavropoulou, G. Yovos, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 58.** Binary and ternary hybrid Ti(IV) materials with hydroxycarboxylic acids. Link to biomaterials in prostheses
C. Iordanidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
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- 59.** Sol-gel encapsulation of flavonoids in neurodegenerative processes
E. Halevas, C.M. Nday, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 60.** Development of vanadium-peroxido-zwitterion compounds in catalysis of industrial importance
E. Kioseoglou, S. Petanidis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 61.** Modified zinc agents in search of antibacterial nanotechnology
C.M. Nday, E. Halevas, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 62.** Vanadium selectivity in cancer cell therapeutic approaches
S. Petanidis, E. Kioseoglou, D. Anastakis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 63.** Quercetin nanoparticles countering neurodegenerative effects in Alzheimer's disease
C.M. Nday, E. Halevas, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 64.** Regulation of TGF- β /Smad signaling by vanadium species
S. Petanidis, E. Kioseoglou, D. Anastakis, A. Moustakas, J. Carthy, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
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65. Zinc-induced adipogenicity relevant to Diabetes mellitus II
O. Tsave, M.P. Yavropoulou, G. Yovos, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
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66. Development of vanadium-peroxido materials with zwitterionic ligands in olefin epoxidation catalysis of industrial significance
E. Kioseoglou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

67. Development of neuroprotective technology against metal-induced oxidative stress in Alzheimer's neurodegeneration.
O. Tsave, C. Aslanidis, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

68. Structure-dependent biological activity of binary complex vanadoforms in the development of molecular pharmaceutical technology in Diabetes mellitus
O. Tsave, M. Kafantari, M.P. Yavropoulou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

69. Flavonoid encapsulation approaches in the development of antioxidant nanotechnology
E. Halevas, C.M. Nday, G.E. Jackson, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

70. New binary and ternary materials of Ti(IV) with (hydroxy)carboxylic acids. Correlation with biological activity
C. Iordanidou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

71. Zinc-based advanced materials in the development of antibacterial technology
C.M. Nday, E. Halevas, S. Mermingi, G.E. Jackson, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

72. Hybrid nanotechnology of antioxidant protection against Alzheimer's neurodegeneration
C.M. Nday, G.E. Jackson, E. Halevas, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

73. Synthesis, physicochemical properties and antimicrobial evaluation of binary hybrid Bi(III) materials
C.M. Moisidou, E. Halevas, C.M. Nday, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

74. Physicochemical and bacteriocidal investigation of novel binary Bi(III) complexes
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania

75. Antimicrobial properties of novel hybrid zinc-containing nanomaterials
C.M. Nday, E. Halevas, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
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76. In vitro assessment of copper-induced neurotoxic effect on neuronal primary cultures and neuroprotective potential of antioxidant and chelating agents. Correlation to neurodegenerative processes
O. Tsave, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
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77. Syntheses, isolation and physicochemical characterization of a new material between Cu(II) and O-, N- ligands
C. Gabriel, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
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78. Epoxidation of olefins by ternary vanadium-oxo-peroxido-betaine compounds
E. Kioseoglou, S. Petanidis, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania

79. Advances in flavonoid nano-carriers as potential neuroprotectants
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
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80. Quercetin nanoparticles support survival of hippocampal cells under oxidative stress
C.M. Nday, E. Halevas, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
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"King Michael I of Romania" from Timisoara
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81. Amino acid-oxo-peroxido-vanadate materials and their chemistry in industrial and biological catalysis
E. Kioseoglou, S. Petanidis, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania

82. Studies of the aqueous chemistry of zinc with Schiff base substrates. Links to Diabetes mellitus type 2
O. Tsave, C. Gabriel, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
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83. Antioxidant defense and neuroprotection in Alzheimer's neurodegeneration.
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
O. Tsave, A. Salifoglou
May 14-17, 2015, Thessaloniki, Greece

84. Metal-induced oxidative stress and neuroprotection in Alzheimer's neurodegeneration
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
O. Tsave, C. D. Aslanidis, A. Salifoglou
May 14-17, 2015, Thessaloniki, Greece

85. Optimization of flavonoid forms in the development of antioxidant nanotechnology

9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases

E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou

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- 86.** New materials of Pb(II) with aliphatic and cyclic tetracarboxylic ligands
C. Gabriel, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 87.** Hybrid materials of Ti(IV) with (hydroxyl)carboxylic acids. Biological activity correlations
C. Iordanidou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 88.** Ternary vanadium-peroxido-betaine complexes and investigation of their catalytic activity
E. Kioseoglou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 89.** Molecular approaches in the chemistry of copper during neurodegeneration in Alzheimer's disease
O. Tsave, K.D. Aslanidis, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 90.** Ternary vanadium-peroxido-sarcosine materials and their chemistry in industrial and biological catalysis
E. Kioseoglou, S. Petanidis, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
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- 91.** Flavonoid antioxidant nanotechnology in neurodegenerative diseases
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 92.** Vanadium metallopharmaceutical technology in Diabetes mellitus
M. Kafantari, O. Tsave, M.P. Yavropoulou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 93.** Cadmium regulation of H-ras expression and apoptosis in epithelial MCF-7 cancer cells
S. Petanidis, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece

- 94.** Inhibition of TGF- β /Smad signaling pathway during epithelial to mesenchymal transition by vanadium.
S. Petanidis, J. Carthy, E. Kioseoglou, D. Anestakis, A. Moustakas, C.-H. Heldin, A. Salifoglou
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May 8-10, 2015, Thessaloniki, Greece
- 95.** Binary chromium species influence on insulin-dependent adipogenesis with emphasis on Diabetes mellitus.
O. Tsave, C. Gabriel, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 96.** Zinc-induced differentiation of 3T3-L1 fibroblasts to adipocytes with insulin-mimetic activity
O. Tsave, M. Yavropoulou, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 97.** Development of flavonoid-encapsulated nanoparticles counteracting neurodegeneration
C. M. Nday, E. Halevas, G. E. Jackson, A. Salifoglou
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- 98.** Novel sol-gel encapsulated zinc materials as potential antibacterial agents
C. M. Nday, E. Halevas, G. Jackson, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 99.** Novel quercetin loaded silica-nanoparticles against Cu(II)-linked neurodegeneration in Alzheimer's disease
C. M. Nday, E. Halevas, G. Jackson, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 100.** Assessment of copper cytotoxicity and metal chelator neuroprotection in primary hippocampal cells
O. Tsave, C. D. Aslanides, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 101.** Assessment of insulin-mimetic effect of Schiff-base vanadium complexes in relevance to Diabetes II
O. Tsave, M. Kafantari, M. Yavropoulou, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece

- 102.** Vanadium downregulates autophagy through induction of TRAIL-induced apoptosis in cancer cells
S. Petanidis, E. Kioseoglou, D. Anastakis, M. Hadzopoulou-Cladaras, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 103.** Regulation of TGF- β /Smad signaling pathway by vanadium species
S. Petanidis, E. Kioseoglou, D. Anastakis, A. Moustakas, J. Carthy, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 104.** “pH-Specific structural speciation studies in biologically relevant binary Cr(III)-hydroxycarboxylic acid systems”
C. Gabriel, A. Salifoglou
12th European Biological Inorganic Chemistry Conference (Eurobic 12)
University of Zürich
August 24-28, Zürich, Switzerland
- 105.** “Magnetic Iron Oxide Silica Coated Nanoparticles doped with Thioflavin-T for beta-amyloid targeting”
A. Tsolakis, L. Chalevas, A. Salifoglou, N. Vouroutzis, G. Litsardakis
NN14 – 11th International Conference on Nanosciences and Nanotechnologies
July 8-11, 2014, Thessaloniki, Greece
- 106.** “Insight into vanadium anticancer action in metastatic processes”
S. Petanidis, E. Kioseoglou, A. Salifoglou
9th International Vanadium Symposium Chemistry, Biological Chemistry & Toxicology
Dipartimento Scienze Chimiche, University of Padova – Italy
Dipartimento di Scienze e Tecnologie Chimiche
University of Roma TorVergata – Italy
June 29-July 2, 2014, Padova, Italy
- 107.** “Encapsulation techniques and targeted delivery of newly developed insulinomimetic vanadium (III,IV,V) and Zinc(II) compounds”
E. Halevas, C. Nday, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 108.** “Al(III) potential mechanism towards Alzheimer’s disease type neurodegenerative phenotypes”
C. Nday, G. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

109. "The pH specific synthesis of new Cr(III)-Heida (2-Hydroxyethyliminodiacetic Acid) complexes"
C. Gabriel, C. Mateescu, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

110. "Synthesis and characterization of novel binary and ternary indium-polycarboxylato compounds"
E. Halevas, S. Hatzispyrou, A. Hadzidimitriou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

111. "1D, 2D, and 3D metal–organic frameworks based on phenanthroline ligands and polycarboxylates: syntheses, structures, and photoluminescent properties"
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

112. "Surface modified silica nanoparticles as flavonoid-containing carriers in drug delivery"
E. Halevas, O. Tsave, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

113. "Interactions of metal ions with genetic factors responsible of Alzheimer's disease plaques"
C. Nday, G. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

114. "Binary and ternary metal–organic hybrid polymers in aqueous Pb(II)–dicarboxylic acid–(phen) systems"
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

115. "Synthesis and characterization of novel binary V(IV,V)-Schiff base compounds and in vitro investigation of their insulin mimetic activity"

- E. Halevas, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 5-6, 2014, Timișoara, Romania
- 116.** “Synthesis and characterization of novel zirconium compounds”
 E. Halevas, A. Karamelidou, A. Hadzidimitriou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 5-6, 2014, Timișoara, Romania
- 117.** “Synthesis, structure and spectral properties of a new Co(III) Schiff-base complex containing piperazine moiety”
 C. Cretu, L. Cseh, R. Tudose, A. Salifoglou, O. Costisor
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 5-6, 2014, Timișoara, Romania
- 118.** “Vanadium suppresses H-ras oncogene and MMP-2 expression by increasing ROS mediated apoptosis”
 S. Petanidis, E. Kioseoglou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 119.** “Cadmium regulates H-ras Expression and Caspase-3 Apoptotic Cell Death in Breast Cancer Epithelial MCF-7 cells”
 S. Petanidis, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 120.** “Structure lattice-dimensionality correlations in novel binary and ternary materials of Group 13 elements with benzoic acid and phenanthroline”
 E. Halevas, A. Hatzidimitriou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 121.** “Synthesis and characterization of novel binary indium-hydroxycarboxylic acid

- compounds”
 E. Halevas, S. Hatzispyrou, A. Hadzidimitriou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 122.** “Synthesis and characterization of novel binary and ternary indium-polycarboxylato compounds”
 E. Halevas, S. Hatzispyrou, A. Hadzidimitriou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 123.** “Brain and tissue banking perspectives in Greece”
 D. Anestakis, S. Petanidis, A. Salifoglou, M. Tsolaki
22nd Annual Congress of the European Association of Tissue Banks
 November 20-22, 2013, Brussels, Belgium.
- 124.** “The single-crystal x-ray diffraction analysis of the Schiff base N,N’- bis[3(4-dodecyloxy-benzylideneamino)-propyl]-piperazine and the infrared spectra study on its stability as ligand by complexation reactions”
 C.-M. Bucovicean-Bereczki, L. Cseh, R. Tudose, A. Salifoglou, O. Costisor
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 June 13-14, 2013, Timișoara, Romania
- 125.** “The crystal structures and fluorescence properties of a Schiff base ligand and its novel homo-dinuclear Zn(II) Complex”
 C. Cretu, R. Tudose, L. Cseh, Z. Dudas, A. Salifoglou, O. Costisor
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 June 13-14, 2013, Timișoara, Romania
- 126.** “Synthetic and physicochemical approaches in binary and ternary Cu(II)-organophosphonate systems under the influence of heterocyclic aromatic binders.”
 V. Georgantas, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
 Banat University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 127.** “Synthesis and characterization of novel binary Zn(II)-Schiff base compounds and in vitro investigation of their insulin mimetic activity.”

- O. Tsave, E. Halevas, M. Yavropoulou, K. Topouridou, E. Yovos, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I
of Romania" from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 128.** "Molecular perspectives of hybrid ternary vanadium-peroxido-betaine complexes in diabetes"
 E. Kioseoglou, A. Gabriel, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I
of Romania" from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 129.** "Design and development of nano-materials in the molecular technology of nitrate removal from environmentally polluted waters."
 A. Malakopoulos, E. Chalevas, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I
of Romania" from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 130.** "In vitro neurotoxic assessment of Fe(III) and Fe(III)-chelator species on rat hippocampal cells."
 C. Nday, O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I
of Romania" from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 131.** "The effect of Cadmium H-ras expression and caspase-3 apoptotic cell death in breast cancer epithelial MCF-7 cells."
 S. Petanidis, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I
of Romania" from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 132.** "In vitro investigation of the neurodegeneration potential of well-defined forms of copper. Correlation to Alzheimer's neurodegenerative processes."
 O. Tsave, G. Malollari, K. Agapidis, S. Petanidis, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I
of Romania" from Timisoara
 May 30-31, 2013, Timișoara, Romania
- 133.** "New ternary vanadium-betaine-peroxido complexes and study of their insulin mimetic and anticancer activity"
 E. Kioseoglou, A. Gabriel, A. Salifoglou

9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece

134. "Development of vanadodrugs to suppress the H-ras oncogene and the MMP-2 metalloprotein in MCF-7 and A549 cancer cells".
 S. Petanidis, E. Kioseoglou, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece
135. "Synthetic and physicochemical study of binary and ternary organophosphonate species of Cu(II) bearing distinct crystal lattice architecture"
 V. Georgantas, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece
136. "Design, synthesis and physicochemical characterization of binary materials of insulin mimetic zinc with Schiff bases bearing a variable number of terminal alcohols".
 E. Chalevas, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece
137. "Design and development of nanosized molecular materials in removal technologies of nitrates from environmental waters"
 A. Malakopoulos, E. Chalevas, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece
138. Cadmium influences the expression of the H-ras oncogene and the apoptotic cell death through caspase-3 in MCF-7 endothelial breast cancer cells.
 S. Petanidis, O. Tsave, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
"The Contribution of Chemical Engineering to Sustainable Development"
 National Technical University of Athens (NTUA), Zografou University Campus
 May 23-25, 2013, Athens, Greece
139. In vitro investigation of the neurometallotoxin Cu(II) in rat hippocampal cells and linkage association to neurodegenerative pathologies.
 O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering

“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece

- 140.** Study of the oxidative potential of iron in Alzheimer’s degeneration. Turning to molecular chelators of natural origin.
O. Tsave, G. Malollari, C. Nday, S. Petanidis, A. Salifoglou
8^o Panhellenic Conference of Alzheimer’s Disease
February 28-March 3, 2013, Thessaloniki, Greece
- 141.** Copper as a neurometal ion in Alzheimer’s disease degeneration. Mechanistic interactions of neuroprotective merit.
O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
8^o Panhellenic Conference of Alzheimer’s Disease
February 28-March 3, 2013, Thessaloniki, Greece
- 142.** In vitro assessment of the effects of neurotoxic Fe(III) and Fe(III)-chelator species on rat hippocampal cultures
C. Nday, O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 143.** Peroxidation of vanadium suppresses H-ras oncogene and MMP-2 expression by increasing ROS-mediated apoptosis
S. Petanidis, E. Kioseoglou, A. Salifoglou
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 144.** Molecular interactions of novel vanadium(V)-betaine-tetraperoxido species with the H-ras oncogene in human lung adenocarcinoma A549 cells
E. Kioseoglou, S. Petanidis, A. Salifoglou
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 145.** Cysteine cathepsins in colorectal in colorectal cancer
D. Anastakis, M. Argyraki, S. Petanidis, A. Salifoglou, Z. Iakovidou-Kritsi
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 146.** “Mesoporous silica coated by manganese oxychloride – surface modification targeting removal of nitrates from water”
A. Malakopoulos, E. Halevas, A. Delimitis, V. Zaspalis, G. Litsardakis and A. Salifoglou
9th International Conference on Nanosciences & Nanotechnologies (NN12)
3-6 July 2012, Thessaloniki, Greece.
- 147.** “Metal organic framework compounds of lead(II) with O-, and N-, substrates
C. Gabriel, A. Salifoglou”

The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania

- 148.** “Structural speciation in the Binary Cr(III)-Citrate system”
C. Gabriel, C. Mateescu, A. Salifoglou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 149.** “Monitoring Superoxide Dismutase Activity in freshwater crustacean organisms exposed to the environmental metallotoxin Pb(II). The case of *Daphnia magna*”
P. Peppos, A. Salifoglou, S. Hadjispyrou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 150.** “The chemistry of the ternary vanadium-peroxido-betaine systems in aqueous media”
E. Kioseoglou, C. Gabriel, A. Salifoglou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 151.** “The association of carcinogenic metal ions with the minisatellite DNA of H-ras and the impact on the transcription mechanism.”
S. Petanidis, A. Salifoglou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 152.** “Synthesis of unusual vanadium peroxo materials containing betaine. Correlation of the structure of materials with insulin mimetic activity.”
E. Kioseoglou, K. Gabriel, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session III: Inorganic and Bioinorganic Chemistry
December 9-12, 2011, Thessaloniki, Greece.
- 153.** “Metal-Linked Neurodegenerative Processes in Alzheimer’s Disease. Pathogenetic and Neuroprotective Insights.”
11th International Symposium on Applied Bioinorganic Chemistry (ISABC11)
December 2-5, 2011, Barcelona, Spain.
- 154.** “Synthesis and characterization of 2D metal-organic lattice assemblies between divalent metal ions and D-(-)-quinic acid”
M. Menelaou, V. Georgantas, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece

155. "Approaching neurodegenerative disorders through in vitro investigations in hippocampal cell cultures"
A. Savva, C. Nday, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece

156. "Interactions of the trivalent metal ion Al(III) with organophosphonate ligands"
B. Georgantas, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece

157. "Metal ion interactions with the minisatellite DNA of H-ras oncogene"
S. Petanidis, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

158. "Hybrid Links between Decavanadates and Betaines of Potential Pharmacological Relevance"
E. Kioseoglou, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

159. "1D-3D Pb(II)-Organic Lattice Assemblies through Chemical Reactivity and Pb(II)-Assisted Ligand Transformations"
C. Gabriel, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

160. "D-(-)-Quinic acid: an efficient physiological metal ion ligand"
Melita Menelaou, C. Mateescu, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

161. "Synthesis, Spectroscopic and Structural Studies of New Binary Cr(III)-Citrate pH-Specific Structural Variants from Aqueous Media"
C. Gabriel, C. Mateescu, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

162. "Synthesis, structural and spectroscopic characterization of unusual ternary dinuclear tetraperoxo vanadium (V)-glycine complexes"
C. Gabriel, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology

May 19-20, 2011, Timișoara, Romania

- 163.** “Study of aluminum binary systems with phosphonate substrates and their relevance to neurodegeneration”
V. Georgantas, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 164.** “Superoxide Dismutase Activity in the freshwater crustacean *Daphnia magna* exposed to Pb(II)”
P. Peppos, A. Salifoglou, S. Hadjispyrou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 165.** “Association among specific aluminum forms b-amyloid and neuroprotective chelators at the cellular level in Alzheimer disease”
C. Nday, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 166.** “Hybrid links between decavanadates and betaines of pharmacological relevance”
E. Kioseoglou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 167.** “Study of aluminum interactions with organo-phosphate substrates and their relevance to Alzheimer’s disease”
V. Georgantas, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 168.** “Study on the effects of Biotoxic Metal Ions on the DNA minisatellite downstream of H-Ras Oncogene”
S. Petanidis, C. Nday, A. Savva, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 169.** “Organophosphonate Substrates in the Binding and Characterization of Biotoxic Mercury(II): Crystal structures and photoluminescent properties”
M. Perikli, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece

170. "Cadmium effect on Cu,Zn-SOD activity isolated from *Daphnia magna*"
S. Hadjispyrou, M. Basiliadou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece

171. "Natural product substrate D-(-)-quinic acid interactions with divalent transition metal ions in advanced materials"
M. Menelaou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece

172. "The chemical reactivity of the organophosphate binder N-N-bis(phosphonomethyl)glycine with Co(II). Relevance to hybrid (bio) materials"
M. Menelaou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece

173. "Encapsulation techniques and targeted delivery of newly developed insulinomimetic vanadium (III,IV,V) and zinc(II) compounds"
L. Halevas, N. Nday, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece

174. "The Missing Link of the Ternary V(V)-Citrate-H₂O₂ system"
C. Gabriel, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece

175. "The Synthesis, Spectroscopic and Structural Characterization, and Magnetic Properties of New Species in the Aqueous Cr(III)- Heida (2-Hydroxyethyliminodiacetic Acid) System"
C. Gabriel, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece

176. "In depth study of the binary Co(II)-phosphonate system"
M. Menelaou, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece

177. "Synthesis and characterization of Ni(II)-organophosphonate species"
M. Menelaou, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece

178. "Superoxide Dismutase Activity in the Freshwater Crustacean *Daphnia magna* Exposed to Cadmium"
S. Hadjispyrou, T. Salifoglou and M. Basiliadou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece
179. "Acute Phase Effects of Al(III) Compounds on NMDA and VDCC Channels in Neuronal Hippocampal Cell Cultures"
C. Nday, B. Drever, A. Salifoglou, B. Platt
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece
180. "Interactions of Alzheimer Disease Risk Factors and Their Effects on Hippocampal Cells in the Presence of Neuroprotective Agents"
C. Nday, B. Drever, A. Salifoglou, B. Platt
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece
181. "Association and Molecular Interaction of Biotoxic Metal Ions with the Minisatellite Locus of the H-Ras Oncogene."
S. Petanidis, C. Nday, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece
182. "Polyoxovanadate Clusters with Betaines"
E. Kioseoglou, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
June 22-26, 2010, Thessaloniki, Greece
183. "Structural speciation of Co(II) with hydroxy-carboxylate substrates"
M. Menelaou, C. Mateescu, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
184. "In search of bio - metal factor effects on neuronal NMDA and VDCC channel"
C. Nday, B. Drever, A. Salifoglou, B. Platt
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
185. "Neuroprotective effects of chelator agents toward aluminium and A β amyloid peptide interactions in hippocampal cells"
C. Nday, B. Drever, A. Salifoglou, B. Platt
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
186. "Betaine-Polyoxovanadate Cluster Synthesis and Physicochemical Properties"
E. Kioseoglou, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology

June 3 – 4, 2010, Timișoara, Romania

- 187.** “The pH-specific synthesis of three new Cr(III)-heida (2 -hydroxyethyliminodiacetic acid) complexes”
C. Gabriel, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
- 188.** “A new Vanadium (V)-peroxo species in the presence of citric acid”
C. Gabriel, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
- 189.** “Structural speciation of binary Ni(II)-phosphonate systems”
M. Menelaou, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
- 190.** “Effect of toxic metal ions on the minisatellite DNA of H-RAS and the impact on the transcription mechanism”
S. Petanidis, C. Nday, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
- 191.** “In vitro investigation of neuroprotective effects toward A α and A β amyloid peptide interactions in hippocampal cells”
C. Nday, A. Salifoglou
25th International Conference of Alzheimer’s Disease International (ADI)
March 10-13, 2010, Thessaloniki, Greece.
- 192.** “Study of the Binary Systems of Al(III) with Carboxy-Phosphonate Substrates”
B. Georgantas, A. Salifoglou
*10th Greece-Cyprus Conference
Chemistry and Sustainable Growth*
July 2-4, 2009, Heraklion, Greece
- 193.** “Synthesis and Characterization of New Materials of Toxic Pb(II) with Physiological Substrates”
C. Gabriel, A. Salifoglou
*10th Greece-Cyprus Conference
Chemistry and Sustainable Growth*
July 2-4, 2009, Heraklion, Greece
- 194.** “The Chemistry of Cd(II) with Biological Molecules of Low Molecular Mass. Synthesis and Characterization of New Cd(II)-Hydroxy-Isobutyric Acid Complexes”
P. Panagiotidis, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece

195. "Studies of Aqueous Speciation of the Binary System Al(III)-(1-Hydroxy-ethylidene-1,1-diphosphonic Acid)"
B. Georgantas, A. Salifoglou, T. Kiss
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
196. "Synthesis and Characterization of New Materials of Toxic Pb(II) with Aliphatic and Cyclic Tetracarboxylic Substrates"
C. Gabriel, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
197. "Understanding the Metallochemistry of Cobalt and Nickel with Phosphonate Substrates"
M. Menelaou, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
198. "The Aqueous Synthetic Chemistry of Toxic Pb(II) with Fommaric Acid"
C. Gabriel, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
199. "A Study of the Chemistry of Ni(II) with a Synthetic Organophosphonate Substrate"
M. Menelaou, P. Vamvourel, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
200. "Interaction of between an Environmental and a Genetic Factor in Alzheimer's Dementia. Toxicity Consequences in the Viability and Morphological Changes of Hippocampal Cell Cultures"
Christiane Nday, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
201. "Synthesis, Structural and Spectroscopic Studies of two New Cd(II)-Methyl Lactate Complexes in Aqueous Solution"
P. Panagiotidis, A. Salifoglou
Food Sciences, Processes and Technologies
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Banat's University of Agricultural Sciences and Veterinary Medicine
Faculty of Food Processing Technology
May 27-29, 2009, Timisoara, Romania
202. "Aqueous Chemistry of Al(III) with carboxy-Phosphonate and Phosphonate Substrates"
B. Georgantas, A. Salifoglou
Food Sciences, Processes and Technologies
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- 203.** "Differential Toxicity of Dietary Al(III) Forms in the presence or Absence of Amyloid Peptide on Cell Viability and Synaptogenesis"
C. Nday, B. Drever, B. Platt, A. Salifoglou
Food Sciences, Processes and Technologies
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Banat's University of Agricultural Sciences and Veterinary Medicine
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May 27-29, 2009, Timisoara, Romania
- 204.** "Investigation of the Aqueous Chemistry of Pb(II) with O- and N-Substrates"
C. Gabriel, A. Salifoglou
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Banat's University of Agricultural Sciences and Veterinary Medicine
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May 27-29, 2009, Timisoara, Romania
- 205.** "Structural Speciation of the Binary Co(II)-Phosphonate System"
Melita Menelaou, Anca Mateescu, A. Salifoglou
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
Banat's University of Agricultural Sciences and Veterinary Medicine
Faculty of Food Processing Technology
May 27-29, 2009, Timisoara, Romania
- 206.** "Interactions Between Al(III) and Phosphonate-Carboxylate Substrates Relevant to Alzheimer's Disease"
B. Georgantas, A. Salifoglou
The Eighth Keele Meeting on Aluminium
21-25 February, 2009, Trest, Czech Republic
- 207.** "Study of the Specific Risk Factors, A β (1-40) Amyloid Peptide and the Biotoxic Forms of Al(III), in the Pathogenesis of Alzheimer's Disease."
C. Nday, S. Petanidis, A. Salifoglou
6th Panhellenic Conference on Alzheimer's Disease and Related Disorders
Grand Hotel
February 19-22, 2009, Thessaloniki, Greece
- 208.** "In Vitro Investigation of Individual and Combined Exposure of the Risk Factors A β Amyloid Peptide and Biotoxic Aluminium to Hippocampal Cells"
C. Nday, B. Drever, B. Platt, A. Salifoglou
22nd Conference of the Hellenic Society for Neuroscience
"From Cells to Behaviour"
Eugenidis Foundation
October 16-19, 2008, Athens, Greece

- 209.** “Synthetic Approaches in the Aqueous Structural Speciation of Binary Cr(III)-Hydroxycarboxylate System”
A. Salifoglou, C. Gabriel
9th European Biological Inorganic Chemistry Conference – EUROBIC9
September 2-6, 2008, Wroclaw, Poland
- 210.** “A new vanadium(V)-peroxo species in the presence of physiological citrate. The missing link in the structural speciation of the V(V)-peroxo-citrate system.”
A. Salifoglou, C. Gabriel
6th International Vanadium Symposium
July 17-19, 2008, Lisbon, Portugal
- 211.** “A New 1-D Open-Channeled 3-D Supramolecular Self-Assembled Framework”
D. Diatsigos, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 212.** “Aqueous Synthetic Chemistry of Pb(II) with Dicarboxylic Acids”
C. Gabriel, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 213.** “New Cr(III)-heida (2-hydroxyethyliminodiacetic acid) Complexes”
C. Gabriel, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 214.** “The Synthesis, Isolation and Spectroscopic Characterization of a New Cu(II)-Tetraphosphonate Complex”
D. Diatsigos, A. Salifoglou
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May 15-16, 2008, Timisoara, Romania
- 215.** “Synthesis, Structural and Spectroscopic Characterization of a New Cd(II)-Methyl Lactate Complex in Aqueous Solution”
P. Panagiotidis, A. Salifoglou
New Trends in Food Safety and Processing Symposium
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- 216.** “Investigation of Aluminum Aqueous Chemistry with Organophosphate Ligands”

- V. Georgantas, M. Menelaou, A. Salifoglou
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 Banat University of Agricultural Sciences and Veterinary Medicine
 May 15-16, 2008, Timisoara, Romania
- 217.** “Synthesis and Characterization of a New Cu(II)-Carboxylate Complex from Aqueous Media”
 A. Konstantopai, A. Salifoglou
New Trends in Food Safety and Processing Symposium
 Banat University of Agricultural Sciences and Veterinary Medicine
 May 15-16, 2008, Timisoara, Romania
- 218.** “Investigation of Co(II)-Hydroxycarboxylate Interactions in Aqueous Solutions”
 M. Menelaou, A. Konstantopai, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Processing Symposium
 Banat University of Agricultural Sciences and Veterinary Medicine
 May 15-16, 2008, Timisoara, Romania
- 219.** “The Synthesis, Spectroscopic and Structural Characterization of a New Ni(II)-hydroxycarboxylate Complex in Association with the Aqueous Speciation of the Binary System”
 C. Mateescu, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with relevance to Biological Systems, Techniques and Environmental Protection
 Institute of Chemistry
 Romanian Academy of Sciences, Branch Timisoara
 November 8-9, 2007, Timisoara, Romania.
- 220.** “Al(III) toxicity on neuronal and glial cells through N-methyl-D-aspartic acid receptors”
 C. Nday, A. J. Drysdale, B. Platt, A. Salifoglou
4th International Symposium on Alzheimer’s Disease and Related Disorders in the Middle East
 October 26-28, 2007, Athens, Greece
- 221.** “Aqueous Cr(III)-Citrate Speciation. Complexes Relevant to Chromium Toxicity”
 C. Gabriel, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-11)
 July 4-7, 2007, Vienna, Austria
- 222.** “Chromium Toxicity with (O,N)-containing Organic Substrates at the Molecular Level”
 C. Gabriel, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-12)
 July 4-7, 2007, Vienna, Austria

- 223.** “The Investigation of the Binary System Fe(III)-Quinic Acid. Potential Bioavailable Forms of Fe(III)”
M. Menelaou, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-13)
July 4-7, 2007, Vienna, Austria
- 224.** “Probing the Structural Speciation of Binary Systems of Ni(II) with Physiological Substrates”
M. Menelaou, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-14)
July 4-7, 2007, Vienna, Austria
- 225.** “Synthetic Approaches toward the Toxicity of Cr(III) with Biomimetic Substrates of Organic Nature”
C. Gabriel, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
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- 226.** “Synthetic Investigation of the Interaction of Cr(III) with Quinic Acid in Aqueous Media. The Molecular Chemistry of an Environmental Metallotoxin”
C. Gabriel, B. Georgantas, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 341-344
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
- 227.** “The Chemistry of Cd(II) with Biological Molecules of Low Molecular Mass. Synthetic, Structural and Spectroscopic Studies of the Cd(III)-hydroxyisobutyric acid Complex”
P. Panagiotidis, A. Salifoglou, J. Kylindris
6th Panhellenic Scientific Conference of Chemical Engineering
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May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
- 228.** “Study of the Development of the Aqueous Chemistry of Co(II) with Phosphonate Substrates. Synthesis, Structural and Spectroscopic Studies”
M. Menelaou, A. Salifoglou, C. Mateescu
6th Panhellenic Scientific Conference of Chemical Engineering
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- 229.** “The Chemistry of Ti(IV) in Ternary Systems Containing H₂O₂. Synthetic, Structural and Spectroscopic Studies of the Ti(IV)-peroxo-citrate in Aqueous Solutions”
P. Panagiotidis, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
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230. "Understanding the Metallobiochemistry of Co(II) through the Structural Speciation of the Binary System Co(II)-Quinic Acid"
M. Menelaou, A. Constantopai, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
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May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

231. "Study of the Pleiotropic Toxicity of Synthetic Binary Compounds of Vanadium and Cadmium with Citric Acid in Mice"
A. Stergiadis, C. Nday, J. Lazaridis, A. Georgiou, E.-N. Emmanouil-Nikoloussi, H. Frangou-Masourides, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
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May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

232. "Study of the Interaction of the Metal ion Al(III) with Neuronal NMDA Receptors and Association with the Neurodegenerative Processes of the Alzheimer Type"
C. Nday, A. Salifoglou, A. J. Drysdale, B. Platt
6th Panhellenic Scientific Conference of Chemical Engineering
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233. "Progressive Loss of Hippocampal Cultures from Crystalline Compounds of Metal Ions as a Cause to Neurological Diseases like Alzheimer."
C. Nday, A.J. Drysdale, B. Platt, A. Salifoglou
29th Scientific Conference E.E.B.E.
17-19 May 2007, Kavala, Greece

234. "Synthesis and Characterization of Two New Co(II)-Quinate Complex Forms from Aqueous Solutions. Correlation with the Biological Co(II) Speciation"
Melita Menelaou, A. Konstantopai, A. Salifoglou
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235. "The Synthesis, Isolation and Spectroscopic Characterization of a new Ni(II)-Hydroxycarboxylate Complex. Steps toward Understanding of Ni(II) Toxicity"
Melita Menelaou, C. Mateescu, A. Salifoglou
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236. "Investigation of the Aqueous Binary System Al(III)-Organophosphate Ligand. Relevance to Al(III) Biototoxicity"
Melita Menelaou, V. Georgantas, A. Salifoglou
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- 237.** “Investigation of Neurotoxic Effects of Al(III) on Neuronal and Glial Cells Through N-Methyl D-Aspartic Acid Receptors”
Christiane Nday, Alison J. Drysdale, Bettina Platt, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania
- 238.** “Progressive Loss of Hippocampal Cells by Exposure to Al(III) Compounds. Emphasis on Alzheimer Disease”
Christiane Nday, Alison J. Drysdale, Bettina Platt, A. Salifoglou.
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania
- 239.** Aqueous Studies of The Binary Cr(III)-Citrate System
Catherine Gabriel, C. Mateescu, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania
- 240.** Aqueous Synthetic Chemistry of Vanadium(V) with Citrate
Catherine Gabriel, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania
- 241.** Study of The Interaction of The Neurotoxin Al(III) With Quinic Acid
Catherine Gabriel, Melita Menelaou, Athanasios Salifoglou
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May, 17-18, 2007, Timisoara, Romania
- 242.** “The Role of Neuronal Receptors N-Methyl-D-Aspartic Acid Toward Metallotoxic Effects of Al(III)”
Christiane Nday, A. J. Drysdale, B. Platt, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus
- 243.** “Neuroprotective Effects of Two New Crystalline Compounds of Al(III) on Neuronal Cells”
Christiane Nday, A. J. Drysdale, B. Platt, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

244. "Study of the Interaction of Neurotoxic Al(III) with the Organophosphonic Substrate NTAP"
M. Menelaou, K. Gabriel, A. Salifoglou
9th Greece-Cyprus Conference
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245. "Synthesis, Isolation and Physicochemical Characterization of New Crystalline Compounds of Co(II) With Quinic Acid"
M. Menelaou, A. Constantopai, A. Salifoglou
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246. "The Neuroprotective Action of Quinic Acid Toward Toxicity Effects of Al(III)"
J. Lazaridis, A. Stergiadi, Bettina Platt, A. Salifoglou.
9th Greece-Cyprus Conference
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April 27-30, 2007, Larnaca, Cyprus

247. "The Neuroprotective Action of Quinic Acid and the Mesylate Salt of Desferrioxamine (DFO) in the Toxicity of Al(III)"
J. Lazaridis, B. Drever, Alison J. Drysdale, Bettina Platt, A. Salifoglou.
9th Greece-Cyprus Conference
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248. "Synthesis, Isolation and Characterization of a New Ternary Compound of Vanadium V(V) with Citric Acid in the Presence of Hydrogen Peroxide"
C. Gabriel, A. Salifoglou
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249. "Synthetic Approaches in the Structural Speciation of Neurotoxic Al(III) with Quinic Acid"
C. Gabriel, M. Menelaou, A. Salifoglou
9th Greece-Cyprus Conference
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250. "Synthetic, Structural and Spectroscopic Studies of Ternary Systems of Ti(IV)-H₂O₂-Citric Acid in Aqueous Solution"
P. Panagiotidis, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
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251. "The role of the aqueous chemistry of biotoxic aluminum in the presence of quinic acid in neurodegeneration"
C. Gabriel, M. Menelaou, A. Salifoglou
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
252. "The metallotoxicity of Al(III) and the neuroprotective effect of quinic acid"
J. Lazaridis, A. Stergiadi, A. Salifoglou, B. Platt
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
253. "Correlation of Al(III) toxicity with Alzheimer's type neurodegenerative diseases"
B. Nday, A. J. Drysdale, A. Salifoglou, B. Platt
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
254. "Correlation of neurotoxic Al(III) with the action of NMDA receptors in neuronal cells"
B. Nday, A. J. Drysdale, A. Salifoglou, B. Platt
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
255. "The neuroprotective action of quinic acid and DFO in the metallotoxicity of Al(III) in Alzheimer's disease"
J. Lazaridis, B. Drever, A. J. Drysdale, A. Salifoglou, B. Platt
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
256. "Synthesis and Characterization of a New Cd(II)-Glycylglycine Complex. Aqueous Cd(II)-Glycylglycine Speciation Studies"
P. Panagiotidis, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania
257. "Synthesis, Structural and Spectroscopic Characterization of a New Cr(III)-Citrate Complex. Relevance to Chromium Toxicity"
Catherine Gabriel, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania
258. "Synthesis, Structural, Spectroscopic and Magnetic Susceptibility Studies of a Cr(III)-HEIDA (2-Hydroxyethyliminodiacetic Acid) Complex"
Catherine Gabriel, A. Salifoglou
New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania
259. "Synthesis, Structural and Spectroscopic Characterization of a New Cr(III)-Quinic Complex. Relevance to Aqueous Toxicity of Chromium"

Catherine Gabriel, C. Mateescu, A. Salifoglou
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- 260.** "Synthesis and Characterization of a New Ni(II)-Quinate Complex from Aqueous Solutions. From the Aqueous Speciation to Ni(II) Toxicity"
Melita Menelaou, A. Salifoglou
New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania
- 261.** "Probing the synthesis, isolation and characterization of the ternary vanadium(V)-peroxo-citrate system"
C. Gabriel, M. Kaliva, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece
- 262.** "Delving into the structural and spectroscopic investigation of the binary Ti(IV)-citrate system"
P. Panagiotidis, E. Kefalas, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece
- 263.** "Inorganic-Organic hybrid aqueous chemistry in the binary Mn(II)-quinate system"
M. Menelaou, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece
- 264.** "Growth of aqueous chemistry of environmental metallotoxin Hg(II) with biomimetic phosphonic substrates"
J. Mpounias, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece
- 265.** "The synthetic chemistry of Vanadium V(V) with citric acid in the presence of hydrogen peroxide"
C. Gabriel, M. Kaliva, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"
September 20-24, 2005, Ioannina, Greece
- 266.** "The synthetic chemistry of manganese Mn(II) with quinic acid
M. Menelaou, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"
September 20-24, 2005, Ioannina, Greece
- 267.** "Synthesis, isolation and characterization of the Al(III)-N-(phosphonomethyl)-iminodiacetic acid hybrid"
M. Menelaou, N. Kotsakis, A. Salifoglou

20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
September 20-24, 2005, Ioannina, Greece

- 268.** “Synthesis and characterization of new complexes Cd(II)-citric acid. The pH-dependent action of the binary Cd(II)-citric acid system.”
P. Panagiotidis, E. Kefalas, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
September 20-24, 2005, Ioannina, Greece
- 269.** “Aqueous chemistry of Ti(IV) with physiological ligands. Synthesis and characterization of a new Ti(IV)-citric complex in aqueous media”
P. Panagiotidis, E. Kefalas, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
September 20-24, 2005, Ioannina, Greece
- 270.** “Novel sustainable metal catalyzed oxidations with hydrogen peroxide and molecular oxygen”
Valeria Conte, Marcella Bonchio, Anna Proust, Dieter Rehder, Lage Pettersson, Isabel Arends, Imre Tóth, João Costa Pessoa, Athanasios Salifoglou, Ulrich Kortz, Bernd Jastorff, Elpida-N. Emmanouil-Nikoloussi
“Sustainable Green Chemistry and Chemical Technology”
Conference on Knowledge-Based Materials and Technologies for Sustainable Chemistry
June 1-5, 2005, Tallin, Estonia.
- 271.** “Structural speciation studies in the binary Al(III)-quinic acid aqueous system
M. Daskalakis, C. Mateescu, A. Salifoglou
Volume XI, No. 1, p. 49-52
11th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2005
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- 272.** “Synthesis and characterization of new Cd(II)-citrate complexes. Aqueous Cd(II)-citrate speciation studies”
P. Panagiotidis, E. Kefalas, A. Salifoglou
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- 273.** “A chromium(III)-citrate complex from aqueous solutions
C. Gabriel, A. Salifoglou
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- 274.** "Synthesis of an inorganic-organic hybrid manganese(II)-quinato from aqueous solutions
M. Menelaou, A. Salifoglou
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- 275.** "Structural speciation attempts in the binary Ti(IV)-citrate system in aqueous media"
P. Panagiotidis, E. Kefalas, A. Salifoglou
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- 276.** Speciation studies of Europium(III) with (poly)phosphonate ligands. The case of EDTMP.
C. Mateescu, D. Dogaru, E. Princz, A. Salifoglou
Volume XI, No. 1, p. 73-78
11th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2005
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- 277.** Isolation and characterization of a new complex of neurotoxic Al(III) with citric acid.
C. Gabriel, M. Menelaou, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece
- 278.** Synthetic, spectroscopic and structural speciation studies of insulin mimetic vanadium V(V) in the presence of physiological ligands
M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
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- 279.** Speciation chemistry of cadmium Cd(II) with citric acid. Water-soluble complex species of potential toxicity.
P. Panagiotidis, E. Kefalas, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece

- 280.** Structural speciation of insulin mimetic vanadium with citric acid in the presence of hydrogen peroxide.
M. Kaliva, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece
- 281.** Antioxidant Properties and HPLC Analysis of Organic Solvent Extracts from Aqueous Infusions of the Mediterranean Herb "sage" (*Salvia fruticosa* L.).
N. Petrakis, A. Salifoglou
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
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May 20-21, 2004, Timisoara, Romania
- 282.** Synthetic, Structural, and Spectroscopic Studies of New Cd(II)-citrate Aqueous Complex. Potential Relevance to Cd(II)-speciation and Links to Cadmium Toxicity.
E. T. Kefalas, A. Salifoglou
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
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- 283.** Synthetic, Structural, and Spectroscopic Studies of an Assembly of Species between Co(II) and N,N-Bis(Phosphonomethyl)glycine (NTA2P).
A. Mateescu, P. Baran, R. Raptis, C. Mateescu, A. Salifoglou
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
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- 284.** Studies of the Aqueous Chemistry of Insulin-Mimetic Vanadium V(V) with Citric Acid and Hydrogen Peroxide
M. Kaliva, C. Raptopoulou, A. Terzis, A. Salifoglou
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- 285.** Protonation Behavior of Aminopolyphosphonic Acids. The Case of EDTMP.
C. Mateescu, E. Princz, A. Mateescu, A. Salifoglou
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
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- 286.** Antioxidant activity toward iron promoted oxidation and HPLC analysis in organic solvent extracts generated from aqueous infusions of sage (*Salvia fruticosa* L.)
M. Kapsokefalou, T. C. Matsingou, N. Petrakis, A. Salifoglou
9th European Nutrition Conference
October 1-4, 2003, Rome, Italy.
- 287.** Synthetic, structural and spectroscopic studies of new tetranuclear Ti(IV)-citrate complexes in relevance to aqueous Ti(IV)-citrate speciation
E. Kefalas, M. Dakanali, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timișoara, Romania.
- 288.** Speciation studies of aluminum with EDTMP
A. Mateescu, C. Mateescu, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timișoara, Romania.
- 289.** Study of the antioxidant properties and HPLC analysis of sage extracts in organic solvents
N. Petrakis, M. Kapsokefalou, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timișoara, Romania.
- 290.** Systematic studies of aqueous chemistry of insulin-mimetic vanadium(V) with citric acid
M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timișoara, Romania.
- 291.** Varying neurotoxicity upon short-term exposure to different aluminium salts
A. J. Drysdale, E. v. L. Roloff, A. Salifoglou, B. Platt
Fifth Keele Meeting on Aluminium
February 22 – 25, 2003
Keele University, Keele
United Kingdom
- 292.** Studies of Antioxidant Properties and HPLC Analyses of Sage Extracts in Organic Solvents
N. Petrakis, M. Kapsokefalou, A. Salifoglou
19th Pan-Hellenic Conference in Chemistry
November 6-10, 2002, Heraklion, Greece

- 293.** Synthesis, Isolation and Characterization of complexes $(\text{NH}_4)_5[\text{Ti}_4(\text{O}_2)_4(\text{cit})_2(\text{citH})_2] \cdot 2\text{H}_2\text{O}$ and $\text{K}_7[\text{Ti}_4(\text{O}_2)_4(\text{cit})_2(\text{citH})_2] \cdot 2\text{H}_2\text{O}$ in Studies of the Aqueous Chemistry of Titanium with the Physiological Citric Acid.
E. Kefalas, M. Dakanali, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 294.** Interaction among Dinuclear Complexes of Vanadium(IV,V) with Citric Acid in Aqueous Media
M. Kyriakakis, M. Kaliva, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 295.** Synthesis, Isolation and Characterization of the Complex $\text{K}[\text{Al}(\text{C}_7\text{H}_{11}\text{O}_6)_3(\text{OH})] \cdot 5\text{H}_2\text{O}$ in the Course of the Study of the Aqueous Chemistry of Aluminum with (1R,3R,4S,5R)-1,3,4,5-tetrahydroxycyclohexane-carboxylic acid (Quinic Acid)
M. Daskalakis, N. Kotsakis, M. Manioudaki, C. Mateescu, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 296.** Studies of the Effect of Heavy Metals in the Transcriptional Regulation of the H-ras Oncogenes
T. Alissaphi, M. Kavroulaki, D. Kardasis, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 297.** Studies of the Aqueous Chemistry of Vanadium(V) with Citric Acid
M. Kaliva, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 298.** Speciation Studies of Aluminum with (poly)Phosphonate ligands. The Case of EDTMP
(Ethylene Diamine Tetramethylene Phosphonic acid).
A. Mateescu, C. Mateescu, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 299.** In vitro Antioxidant Activity of Mediterranean Herb Infusions Toward Iron Under Simulated Gastrointestinal Conditions
C. Matsingou, M. Kapsokafalou, A. Salifoglou
17th International Congress on Nutrition
August 27-31, 2001, Vienna, Austria
- 300.** Study and Potential Biological Relevance of the Aqueous Chemistry of Cobalt(II) in the Presence of Citric Acid.
N. Kotsakis, C. P. Raptopoulou, A. Terzis, V. Tangoulis, A. Salifoglou
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.

- 301.** Studies and Potential Biological Relevance of the Chemistry of Vanadium with Hydroxy Carboxylic Acids in Aqueous Solutions.
 M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
18th Panhellenic Conference in Chemistry
 March 10-13, 2001, Pireaus, Greece.
- 302.** Study of the Effect of heavy Toxic Metal Ions in the Transcriptional Regulation of the H-ras Genes.
 K. Kavroulaki, D. Kardasis, A. Salifoglou
18th Panhellenic Conference in Chemistry
 March 10-13, 2001, Pireaus, Greece.
- 303.** The Chemistry of Lead and Cadmium with Tricarboxylic Acids. Potential Structural Links to the Biototoxicity of Those Heavy Metal Ions.
 M. Dakanali, M. Kourgiantakis, C. P. Raptopoulou, A. Terzis, A. Salifoglou
18th Panhellenic Conference in Chemistry
 March 10-13, 2001, Pireaus, Greece.
- 304.** Aluminum Carboxylate Chemistry and its Relevance to Neuropathological Disorders
 M. Kourgiantakis, M. Dakanali, M. Matzapetakis, C. P. Raptopoulou, A. Terzis, A. Lakatos, T. Kiss, A. Salifoglou
5th FGIPS Meeting in Inorganic Chemistry
 October 27-31, 1999, Toulouse, France.
- 305.** Aluminum Complexes relevant to Neurodegenerative Diseases
 M. Kourgiantakis, M. Dakanali, M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
6th Joint Greece-Cyprus Conference in Chemistry
 September 2-5, 1999, Rhodes, Greece.
- 306.** Vanadium Tricarboxylic and Dicarboxylic Acid Complexes in Aqueous Solutions
 A. Salifoglou
37th IUPAC Congress and 27th GDCh General Meeting
 August 14-19, 1999, Berlin, Germany.
- 307.** Chemical Studies of Plant and Herb Infusions in the Presence of Prooxidant Metal Ions
 C. Matsingou, M. Kapsokafalou, A. Salifoglou
5th International Symposium on Applied Bioinorganic Chemistry
 April 13-17, 1999, Corfu, Greece.
- 308.** Aluminum Citrate Studies in Neurodegenerative Diseases
 M. Kourgiantakis, M. Dakanali, M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
5th International Symposium on Applied Bioinorganic Chemistry
 April 13-17, 1999, Corfu, Greece.
- 309.** Antioxidant Activity of Plant Extracts Under in vitro Digestion Conditions
 C. Matsingou, M. Kapsokafalou, A. Salifoglou

9th Panhellenic Pharmaceutical Congress
November 7-9, 1998, Athens, Greece.

- 310.** Vanadium Citric Acid Chemistry in Aqueous Solutions
A. Salifoglou, M. Tsaramyrsi, C. P. Raptopoulou, A. Terzis
XXXIII International Conference on Coordination Chemistry
"The Chemistry of Metal Ions in Everyday Life"
August 30 - September 4, 1998, Florence, Italy.
- 311.** Aluminum Citrate Complexes and Neurodegenerative Disease.
M. Matzapetakis, M. Kourgiantakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
1st International Conference of the Chemical Societies of the South-East European Countries
"Chemical Sciences and Industry"
June 1-4, 1998, Halkidiki, Greece.
- 312.** Polyphenols, Iron and Antioxidant Activity in Black Tea.
C. Matsingou, M. Kapsokefalou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
December 3-5, 1997, NRCPS "Demokritos", Athens, Greece.
- 313.** The Chemical Affinity of Vanadium for Citrates in Biological Fluids.
M. Tsaramirsi, T. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
A. Terzis, C. P. Raptopoulou
NRCPS "Demokritos", Institute of Material Science, Aghia Paraskevi, Attiki, Greece.
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
December 3-5, 1997, NRCPS "Demokritos", Athens, Greece.
- 314.** The Influence of Zn²⁺ on the Biosynthesis of Porphobilinogen by Porphobilinogen Synthase.
M. Kotsakis, E. Papadimou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
A. Terzis, C. P. Raptopoulou
NRCPS "Demokritos", Institute of Material Science, Agia Paraskevi, Attiki, Greece.
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
3-5 December, 1997, NRCPS "Demokritos", Athens, Greece.
- 315.** The affinity of vanadium for citrates expressed through aqueous solution synthetic complexes.
M. Tsaramirsi, E. Kotsifaki, T. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
A. Terzis, C. P. Raptopoulou
NRCPS "Demokritos", Institute of Material Science, Agia Paraskevi, Attiki, Greece.
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry

14-18 October 1997, Corfu, Greece.

- 316.** Metal ion citrate complexes as mobilizing units in the environment.
M. Matzapetakis, T. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
A. Terzis, C. P. Raptopoulou
NRCPS "Demokritos", Institute of Material Science, Agia Paraskevi, Attiki, Greece.
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
October 14-18, 1997, Corfu, Greece.
- 317.** Toward the active site zinc complex of porphobilinogen synthase.
M. Kotsakis, E. Papadimou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
A. Terzis, C. P. Raptopoulou
NRCPS "Demokritos", Institute of Material Science, Agia Paraskevi, Attiki, Greece.
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
October 14-18, 1997, Corfu, Greece.
- 318.** Iron polyphenol complexes and antioxidant activity in black tea.
C. Matsingou, M. Kapsokafalou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
October 14-18, 1997, Corfu, Greece.
- 319.** Iron polyphenol complexes and antioxidant activity in black tea.
C. Matsingou, M. Kapsokafalou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
International Symposium on Trace Elements in Human: New Perspectives
October 9-11, 1997, Athens, Greece.
- 320.** The chemistry of vanadium with (di)tricarboxylic acids at the active centers of biological systems.
E. Kotsifaki and A. Salifoglou
Department of Chemistry, University of Crete, Heraklion, Greece
17th Panhellenic Chemical Society Meeting
"Chemistry on the doorstep of the 21st century"
December 1-5, 1996, Patras, Greece.
- 321.** Bioinorganic Complexes of zinc at the active center of Porphobilinogen Synthase (PBGs).
N. Kotsakis and A. Salifoglou
Department of Chemistry, University of Crete, Heraklion, Greece
17th Panhellenic Chemical Society Meeting
"Chemistry on the doorstep of the 21st century"
December 1-5, 1996, Patras, Greece.
- 322.** Gallium tricarboxylic complexes in radiodiagnostic medicine.
M. Matzapetakis and A. Salifoglou
Department of Chemistry, University of Crete, Heraklion, Greece

17th Panhellenic Chemical Society Meeting
“Chemistry on the doorstep of the 21st century”
December 1-5, 1996, Patras, Greece.

- 323.** Physical Characterization of the Molybdenum-Iron Cofactor of Nitrogenase.
T. A. Collet, A. B. Hickman, T. Salifoglou, D. W. Wright, W. H. Orme-Johnson
Department of Chemistry, Massachusetts Institute of Technology,
Cambridge, MA 02139,
8th International Congress on Nitrogen Fixation
May 20-26, 1990, Knoxville, Tennessee, U.S.A.
- 324.** Characterization of a Large Scale Fermentation of *Azotobacter vinelandii*.
J.-F. P. Hamel, T. Salifoglou, R. J. Murray, A.-F. Miller, D. W. Wright,
D. Hopkins, A. B. Hickman, C. L. Cooney, W. H. Orme-Johnson
Departments of Chemistry and Chem. Engineering, M.I.T., Cambridge, MA 02139,
USA
8th International Congress on Nitrogen Fixation
May 20-26, 1990, Knoxville, Tennessee, U.S.A.
- 325.** MoFe Cofactor of Nitrogenase: Extraction, Purification and Characterization.
A. B. Hickman, P. A. McLean, T. Salifoglou, D. Wink, D. Wright,
D. Coucouvanis, W. H. Orme-Johnson
Department of Chemistry, Massachusetts Institute of Technology,
Cambridge, MA 02139, USA
4th International Conference on Bioinorganic Chemistry
July 23-28, 1989, Cambridge, Massachusetts, U.S.A.
- 326.** Homocitrate Complexes: Role in MoFe Cofactor Synthesis and Function in Nitrogenase.
A. B. Hickman, A. F. Miller, T. Salifoglou, K. B. Sharpless, D. Wink,
W. H. Orme-Johnson
Department of Chemistry, Massachusetts Institute of Technology,
Cambridge, MA 02139, USA
4th International Conference on Bioinorganic Chemistry
July 23-28, 1989, Cambridge, Massachusetts, U.S.A.
- 327.** New Mixed Terminal Fe₂S₂ Complexes. A Comparison with the Fe₂S₂ Centers in the Rieske Proteins.
A. Salifoglou and D. Coucouvanis
Department of Chemistry, The University of Michigan,
Ann Arbor, MI 48109, USA
Third Chemical Congress of North America and 195th American Chemical Society National Meeting
June 5-10, 1988, Toronto, Canada.